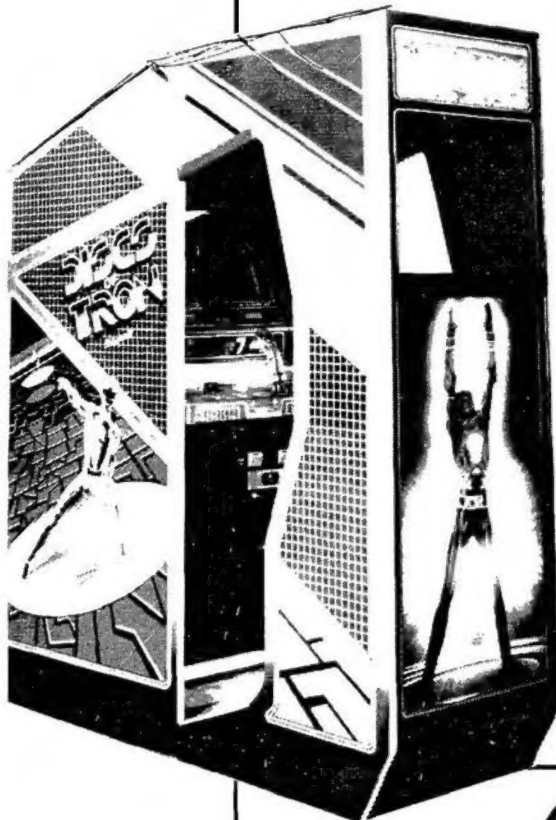


August 1983
Game No's. 696-383



Parts and Operating Manual

Bally

MIDWAY MFG. CO.

10601 W. Belmont Avenue
Franklin Park, Illinois 60131
U.S.A.



Phone: (312) 451-9200 Cable Address: MIDCO Telex No.: 72-1596

WARNING

**THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY
RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.**

WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a CLASS A computing device pursuant to SUBPART J of PART 15 of FCC RULES, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

ELECTRICAL BULLETIN: FOR ALL APPARATUS COVERED BY THE CANADIAN STANDARDS ASSOCIATION (CSA) STANDARD C22.2 NO. 1, WHICH EMPLOYS A SUPPLY CORD TERMINATED WITH A POLARIZED 2-PRONG ATTACHMENT PLUG.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

Bally MIDWAY™

Invites You To Use

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Printed in U.S.A.

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DISCS OF TRON

GAME OPERATION

ATTRACT MODE

1. The Attract mode starts:

☐ Just after power has been turned on to the game. (Self-Test switch is in the "OFF" position.)

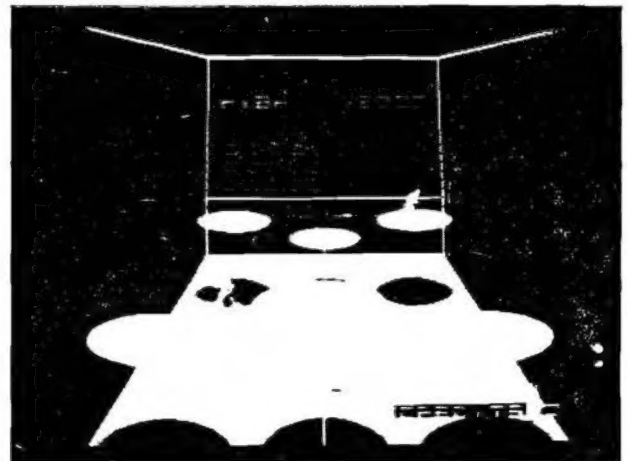
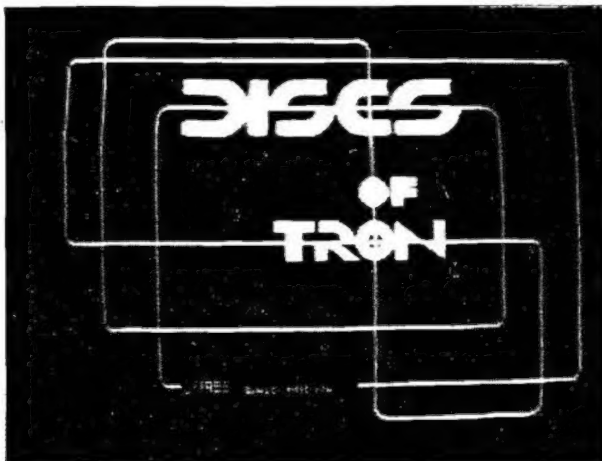
☐ After a Self-Test has been completed and there are no more credits left in the games memory.

☐ After a play has been finished, the score was not high enough to put the game into the

High Score/Initial mode, and there are no more credits left in the games memory.

☐ After the High Score/Initial mode when there are no more credits left in its memory.

☐ In the Attract mode, the game will give the following displays *centered* on the monitor screen:



CREDIT PER PLAYER

INSERT COIN

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CREDITS 2

TO DEFLECT DISCS:
HOLD IN DEFLECT BUTTON
HIT CHASERS 2 TIMES
TO DESTROY THEM







HIT SPARK 2 TIMES TO ADVANCE
SHOOTING SPARK IS NOT A HIT

CREDITS 2

WHEN THE RING PLATFORMS
COME UP OR DOWN
CHANGE TARGET LEVEL BY
MOVING THE JOY UP OR DOWN

CREDITS 2

POINT VALUES

	HIT SPARK	1000
	SHOOT SPARK	200
	HIT A SPARK DISC	100
	ENERGY PELLETS	200
	CHASERS	400
	SUPER CHASERS	800

CREDITS 2

RANKINGS

1	BD	12000
2	BC	10200
3	AG	9500
4	AM	8400
5	BL	6400
6	AA	5000
7	DS	7200
8		5500
9	ES	5300
10	AA	3500

CREDITS 2

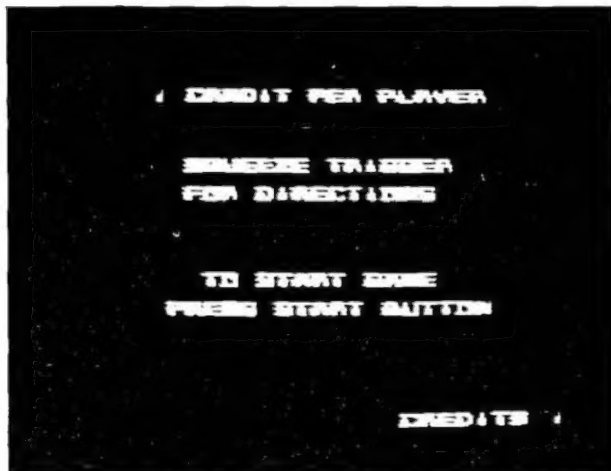
DIRECTIONS

YOU ARE TRON IN BLAKE
SPARK IS OUT TO DEFEAT YOU!
THROW DISCS AND HIT HIM

POSITION AIMING TARGET
ON BALL WITH JOY
AND TURN WITH TRIGGER

CREDITS 2

□ No matter where the game is in the Attract mode sequence, it will immediately go to the following display as soon as a game has been paid for. This display will remain on the monitor screen until the "1 PLAYER" or the "2 PLAYER" start button is pressed.



READY-TO-PLAY MODE

1. The **Ready-To-Play mode** starts when enough coins have been accepted for a 1 or a 2 player game.
2. The **Ready-To-Play mode** ends when either the "1 PLAYER" or the "2 PLAYER" push button is pressed.
3. In the Ready-To-Play mode, the game will give the above displays *centered* on the monitor screen.
4. If no START button is pressed, the displays will remain indefinitely on the monitor screen as shown above.

PLAY MODE

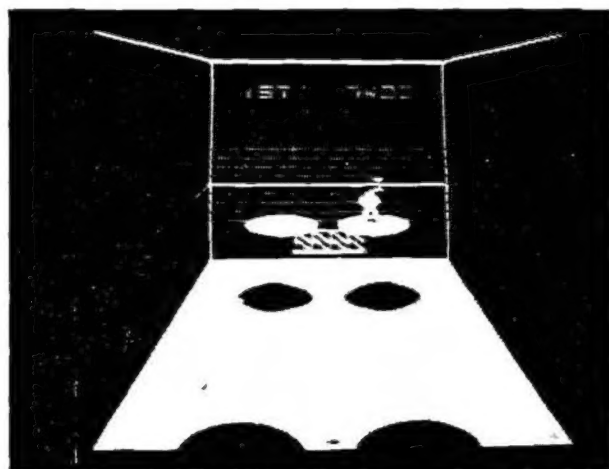
1. The **Play mode** begins when either the "1 PLAYER" or the "2 PLAYER" start button is pressed. (The game displays a message as to when **BONUS PLAYERS** are awarded.)
2. The **Play mode** ends when all of your PLAYERS have been eliminated. When this happens, "PLAYER 1" "GAME OVER" is written across the *center* of the monitor screen.

3. **ON THE SCREEN:** The game is made up a completely enclosed square ARENA, this includes the top and bottom. A varying number of RINGS (raised platforms) are inside this ARENA, depending what rack you are in. Each PLAYER has the same number of RINGS as his opponent. There is a line that runs around the inside center of this ARENA with a moveable target on it. As you advance into the higher racks of the game, obstacles appear between you and your opponent. Several other things also happen as you advance even farther into the more difficult racks of the game: the RINGS are at different heights, the target line can be moved up and down, and your PLAYER'S DISCS can be bounced off the ceiling and floor of the ARENA.

At the beginning of each rack, when a 2 PLAYER game has been selected, the game tells which player is up.

During each rack of play, the monitor constantly indicates on screen the number of PLAYERS that are playing any particular game, the number of reserve men each PLAYER has remaining to him, the number of shield deflections each PLAYER has left, which PLAYER is currently up, and a running total of the SCORE(s).

NOTE: The number of credits still remaining on the game is **ONLY** displayed in the Ready-To-Play mode.



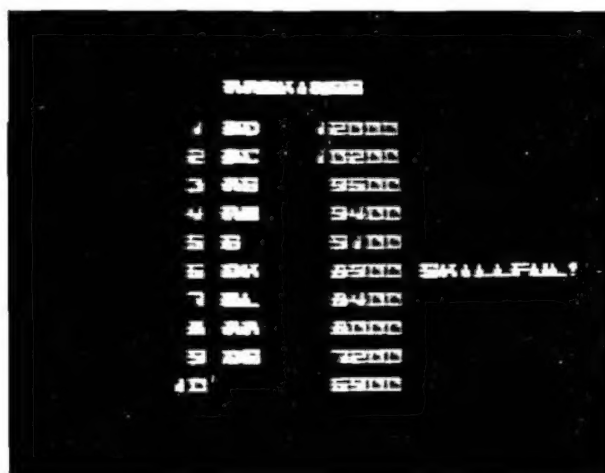
4. **PLAY BEGINS:** The ARENA appears on the monitor screen. Then the RINGS, moveable target, and the opponents appear on their RINGS. Now you must throw your DISCS at your opponent trying to knock him off his RING(s). If you can knock him off his RING(s) 3 successive times in a row, you will advance to the next rack (which is more difficult).
5. **DEFENSES:** Your opponent has quite a variety of things he can use to try to knock you off your RING(s). What these are is fully explained in the "INSTRUCTIONS" mode of the game. What, if any, DEFENSES you have against each one is also explained there.
6. **YOUR PLAYER:** He can move in **ANY DIRECTION** on the screen within the limits of his RING(s). Be careful though, if you try to make your PLAYER go too close to the edge of his RING(s), he can fall off - costing you one player. His movements are controlled by the joy stick on the games control panel.
7. **JOY STICK CONTROLLER:** This controls the direction your PLAYER will move in on his RING(s); either left, right, forward, or back. The TRIGGER on this CONTROLLER makes your player throw a DISC each time it is squeezed (**3 DISCS ARE ALL YOUR PLAYER HAS TO THROW - after they are thrown, they MUST return to your player BEFORE they can again be thrown**). There is also a SHIELD BUTTON on the top of this CONTROLLER which allows your PLAYER to deflect certain of your opponents weapons.
8. **TARGET CONTROLLER:** By using the TARGET CONTROLLER (knob at left side of Control Panel) you can position the moveable target at any location you desire on the walls of the ARENA.
9. **BONUS PLAYERS:** These can be awarded to the PLAYER as he reaches or passes certain preselected point values. This feature is adjustable by the games Owner/Operator.
10. **PLAY ENDS:** When your last PLAYER is eliminated, "PLAYER 1" "GAME OVER" is written across the *center* of the monitor screen.
11. **HIGH SCORE/INITIAL MODE:** If your score was high enough to become one of the ten best scores, the game will go into the High Score/Initial mode immediately after the above display. If your score is not high enough to cause the game to go into the High Score/Initial mode, it will either go to the Attract mode (if there are no more credits

left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory). In the High Score/Initial mode the game gives a display which looks like that shown.



Follow the ON-SCREEN instructions to enter your initials next to your score in the league of the best ten players to date.

When you've printed out your last initial, move the cursor opposite the "END" word and activate the same control you did to enter your initials. This tells the game you are through printing out your initials. The game will then give the following RANKINGS display showing your score opposite your ranking and your initials.



NOTE: If you don't tell the game you are through printing out your initials as instructed above, the game will automatically go into the RANKINGS display after a short wait.

After the High Score/Initial mode, the game will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

12. Most of the above holds true in the "2 PLAYER" mode also. But there are a few minor differences.

TWO PLAYER OPERATION

The Upright and Cocktail Table models all have two player operation (the **ENCLOSED** Upright model **only** has single player operation).

In the two player mode, the rules of play are the same as in the single player mode. There are some additional rules, however.

1. In the Upright models, the players must take turns at the controls.
2. In the Cocktail Table model, each player has his own set of individual controls. The picture will flip to face you when it is your turn. (When it is not your turn, your set of controls will have **NO** effect on the game.)
3. Your turn lasts until your **PLAYER** is eliminated. At this point, the game will do one of several things depending on whether or not the eliminated **PLAYER** was your last or if you still have others remaining in reserve.

PLAYER ELIMINATED - OTHERS REMAINING IN RESERVE

- ☐ The game stops and "**PLAYER** " is displayed on the screen.
- ☐ Next, the other players pattern and Opponents appear on the monitor screen and game play begins for the other player.

PLAYER ELIMINATED - NO OTHERS REMAINING IN RESERVE

- ☐ Game displays: "**PLAYER** " "**GAME OVER**" on the monitor screen.
- ☐ Next, if your score was high enough, the game will go into the HIGH SCORE/INITIAL mode. After this, it will indicate that the remaining **PLAYER** is up, that players pattern and Opponents appear on the monitor screen, and game play begins for him.

- ☐ If your score was not high enough to cause the game to go into the HIGH SCORE/INITIAL mode, it will indicate that the remaining **PLAYER** is up, that players pattern and Opponents appear on the monitor screen, and game play begins for him.

LAST PLAYER'S LAST PLAYER ELIMINATED - NO OTHERS REMAINING IN RESERVE

- ☐ Game displays: "**PLAYER** " "**GAME OVER**" on the monitor screen.
- ☐ Next, if your score was high enough, the game will go into the HIGH SCORE/INITIAL mode and then either to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).
- ☐ If your score was not high enough to cause the game to go into the HIGH SCORE/INITIAL mode, the game will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

RACK ADVANCE

Your **NEW** game is equipped with a **RACK ADVANCE** feature that can allow you to view and/or play the higher racks for test purposes. It is activated in the following manner:

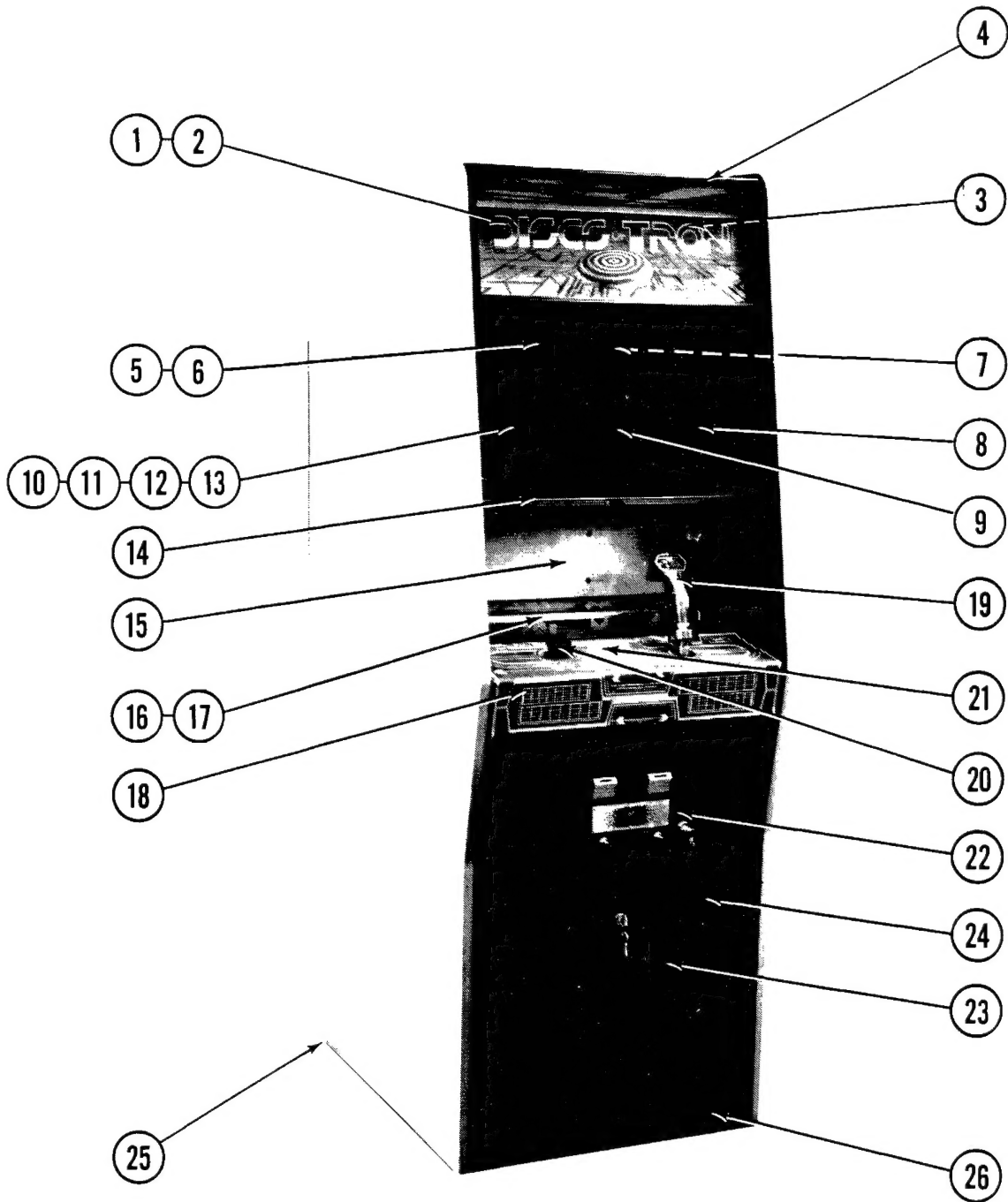
1. Turn the power to the game "**ON**".
2. Open the coin door.

NOTE: COCKTAIL TABLE MODELS ONLY - gently pull out the plunger on the Safety Interlock Switch located just inside the coin door.

3. Using the Test Credit Button, put a credit on the game.
4. Press the "1 **PLAYER**" start button.
5. **IMMEDIATELY** set the games Self-Test switch to the "**ON**" position.
6. By pressing **EITHER ONE** or **BOTH** the "1 **PLAYER**" and/or "2 **PLAYER**" start button(s) you can make the game advance to the next rack (repeat for each rack you wish to advance).
7. When finished, set the Self-Test switch back to the "**OFF**" position, and close and lock the coin door.

II. Illustrated Parts Breakdown

NO. 696 - DISCS OF TRON UPRIGHT - FRONT



NO. 696 - DISCS OF TRON UPRIGHT - FRONT - PARTS LIST

ORDER BY PART NUMBER ONLY

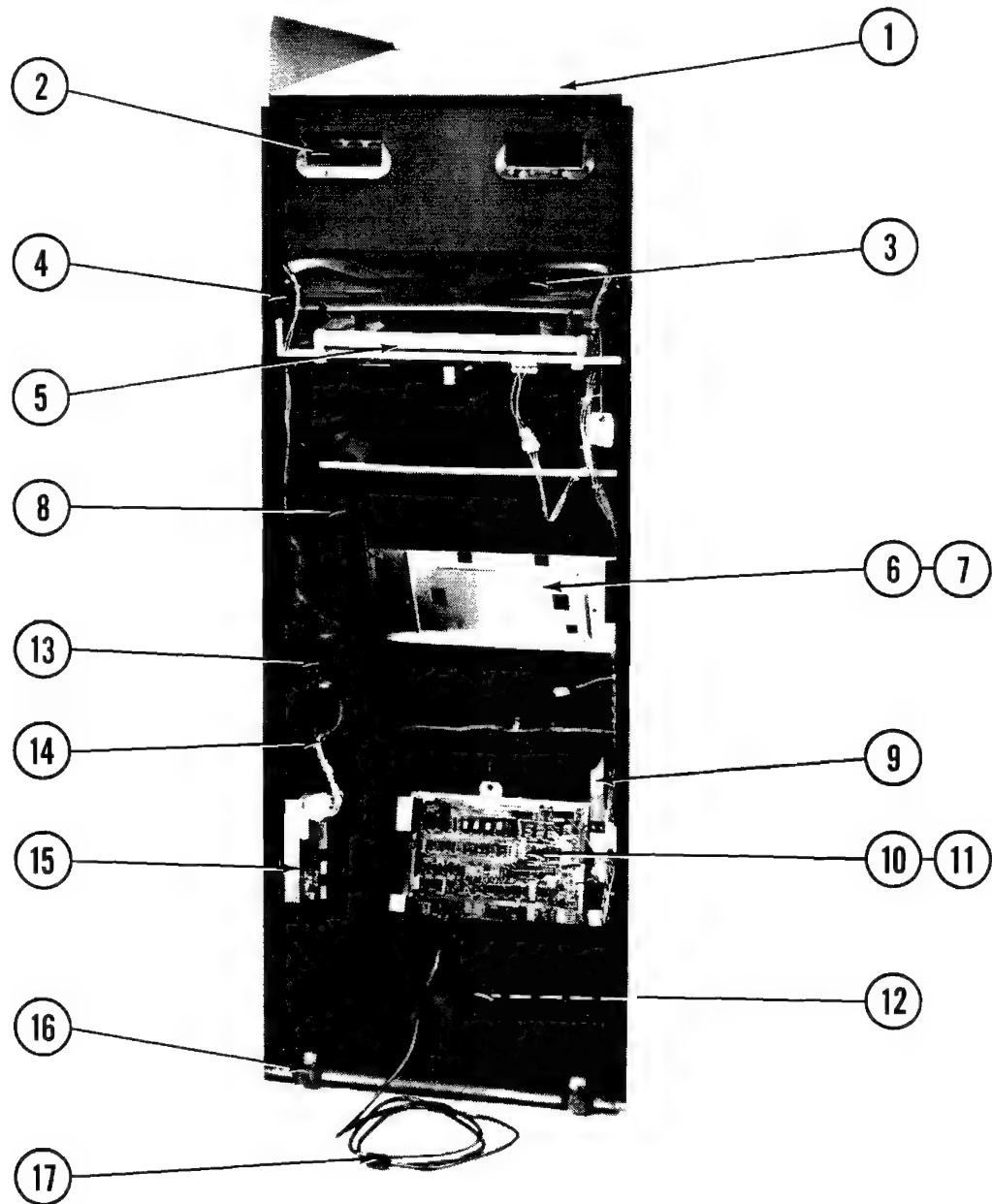
ITEM	PART NUMBER	DESCRIPTION
1	0696-00901-00XF	HEADER GLASS - 23"x8-5/8"x3/16"
2	0383-00908-0000	3-D DECORATIVE HEADER - 22"x8-5/8"
3	A696-00041-0000	HEADER FLUORESCENT LIGHT ASSY.
	0696-00115-0000	FLUOR. BRKT.
	0017-00003-0043	18" COOL WHITE FLUOR. LAMP
	0017-00031-0036	FLUOR. SOCKET (2 REQ'D)
	0017-00003-0445	LAMP SOCKET LOCKS (2 REQ'D)
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET W/12" LEAD
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER ASSY.
4	0574-00903-0100	HEADER RETAINING BRKT. (2 REQ'D)
	0017-00101-0138	#8x5/8 TORX TAMPER RESISTANT SCREW (8 REQ'D)
	0017-00009-0522	LONG ARM KEY T-20 (FOR ABOVE SCREW)
5	0017-00009-0393	BLACK SPEAKER GRILLE W/SLOTS (2 REQ'D)
6	0017-00003-0430	6"x9" SPEAKER - 4 OHM., LOW (2 REQ'D)
	0017-00101-0127	#8-32x1-1/2 CARRIAGE BOLT (8 REQ'D)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (8 REQ'D)
7	0696-00048-0000	ARENA BLACK LIGHT W/O FILTER ASSY. (LOCATED BEHIND SPEAKERS)
	0696-00118-0000	FLUOR. BRKT.
	0017-00003-0095	18" BLACK LIGHT LAMP
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET W/12" LEAD
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER
8	0696-00915-0100	SIDE SCENERY - RIGHT
	0696-00915-0200	SIDE SCENERY - LEFT (OPPOSITE SIDE)
9	0696-00917-00XF	MAIN VIEWING GLASS - 23"x16-1/4"x3/16"
	0696-00121-00XF	GLASS HOLDING BRKT.
10	0383-00913-0000	MIRROPLANE - 23-1/32"x19-11/16"x1/4"
	0696-00110-0000	MIRROR HOLD DOWN BRKT. (2 REQ'D)
11	0383-00901-00XF	SCENERY - RED (NOT SEEN) - 23-1/16"x17-1/2"x1/8"
	0696-00111-0000	RED SCENERY HOLD DOWN BRKT.
	0696-00109-0000	SCENERY HOLD DOWN BRKT.
12	0383-00902-00XF	SCENERY - BLUE (NOT SEEN) 23-1/16"x17"x1/8"
	0696-00110-0000	MIRROR HOLD DOWN BRKT. (2 REQ'D)
13	0383-00904-0000	SCENERY - REAR
	0383-00924-0000	SCENERY SUPPORT CHANNEL (2 REQ'D)
	0383-00115-00XF	SCENERY TRAP BRKT. (2 REQ'D)
14	0696-00909-0000	MONITOR BEZEL
15	0696-00120-00XF	GLASS RETAINER
	0017-00101-0138	#8x5/8 TORX PAN HD SCREW (6 REQ'D)
16	0696-00914-00XF	LAMP PROTECTOR
	0383-00102-0000	LAMP SHIELD BRKT.

NO. 696 - DISCS OF TRON UPRIGHT - FRONT - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NUMBER	DESCRIPTION
17	A696-00047-0000	CONTROL LIGHT ASSY.
	0696-00117-0000	FLUORESCENT BRKT.
	0017-00003-0095	18" BLACK LIGHT LAMP
	0383-00110-0000	REFLECTOR
	0017-00031-0036	FLUORESCENT SOCKET (2 REQ'D)
	0017-00003-0445	LAMP SOCKET LOCKS (2 REQ'D)
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET W/12" LEAD
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER ASSY.
18	A696-00024-0000	CONTROL SHELF WELDMENT ASSY.
	0696-00906-0000	DECORATIVE OVERLAY
	A696-00036-0000	CONTROL CABLE W/TERMINAL STRIP ASSY.
	0696-00106-0100	CONTROL SHELF MTG BRKT. - RIGHT
	0696-00106-0200	CONTROL SHELF MTG BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
	0017-00009-0534	BASSICK CLAMP (3 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD SCR (12 REQ'D)
	0316-00903-0000	CONTROL SHELF STRAP
	0383-00101-0000	CONTROL SHELF BACKUP BRKT.
19	A696-00007-0000	GRIP W/SWITCH ASSY.
	A696-00022-0000	CONTROL ASSY.
20	A696-00029-0000	KNOB & SHAFT ASSY.
	A696-00028-0000	OPTICAL ENCODER DISC ASSY.
21	0017-00042-0260	PUSH BUTTON ASSY.
	0017-00032-0093	PUSH BUTTON SWITCH W/HOLDER
	0017-00103-0054	5/8-11 PAL NUT
	0017-00104-0026	FLAT WASHER
	0017-00100-0025	1/4" E-RING
22	A982-00014-0004	U.S.A. COIN DOOR ASSY. W/CABLE ASSY.
	A982-00015-0000	COIN DOOR CABLE ASSY.
23	A090-00605-0000	CASH BOX DOOR & LOCK ASSY.
	A090-00606-0000	CASH BOX & PULL ASSY.
	0090-00189-0000	CASH BOX ENCLOSURE
24	A090-00603-00XF	COIN DOOR FRAME ASSY.
	0017-00101-0121	#6-32x5/16 PHIL TRS HD SCR (8 REQ'D)
25	0017-00102-0048	3/8-16x2" LEG LEVELERS (4 REQ'D)
25	0017-00102-0048	3/8-16x2" LEG LEVELERS (4 REQ'D)
	0017-00103-0026	3/8-16 LEVELER HEX NUTS (4 REQ'D)
26	0935-00906-0500	KICK PLATE - 23-1/8" LG

NO. 696 - DISCS OF TRON UPRIGHT - REAR ACCESS



NO. 696 - DISCS OF TRON UPRIGHT - REAR ACCESS - PARTS LIST

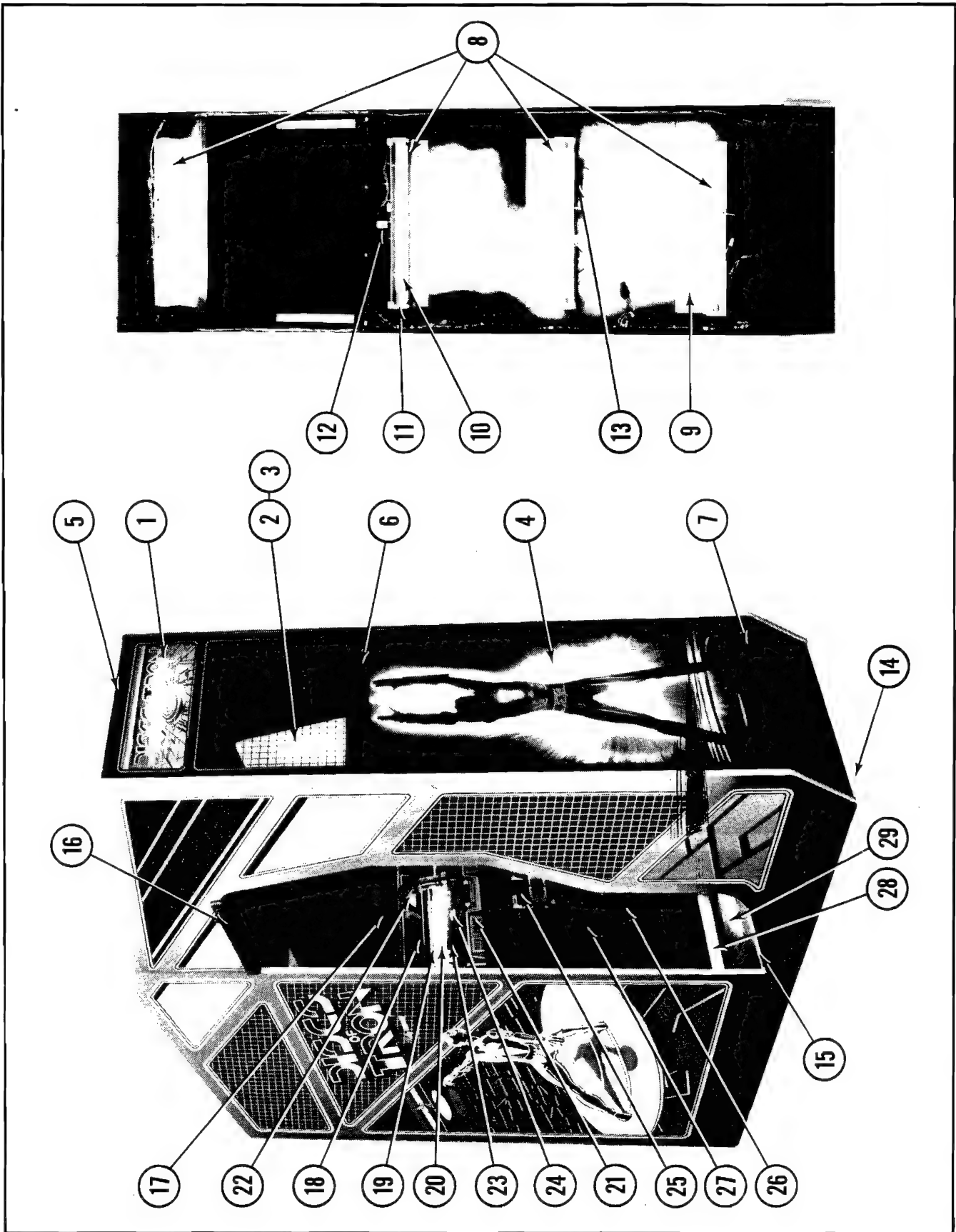
ORDER BY PART NUMBER ONLY

ITEM	PART NUMBER	DESCRIPTION
1	A945-00038-0000	ON-OFF SWITCH PLATE ASSY.
2	0894-00916-0000	PLASTIC PULL & ENT (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD M.S. (8 REQ'D)
3	0383-00904-0000	REAR SCENERY
4	0383-00115-00XF	SCENERY TRAP BRKT.
5	A696-00049-0000	REAR SCENERY FLUOR. LIGHT ASSY.
	0696-00119-0000	REAR FLUORESCENT BRKT.
	0017-00003-0043	18" COOL WHITE FLUOR. LAMP
	0017-00031-0036	FLUORESCENT SOCKET (2 REQ'D)
	0017-00003-0445	LAMP SOCKET LOCKS (2 REQ'D)
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER ASSY.
6	0017-00003-0339	ELECTROHOME 19" COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0439	WELLS-GARDNER 19" COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0454	ZENITH 19" COLOR DUAL SYNC HORIZ. MTG. MONITOR
	0636-00101-0000	MONITOR RAIL (2 REQ'D)
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
7	0696-00913-0000	MONITOR SHIELD
8	0696-00910-0000	REAR MASK
9	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
10	A696-00008-0000	CARDRACK ASSY. W/BOARDS
	A084-90913-A696	SOUND I/O P.C. BRD. ASSY.
	A639-00060-0000	SHIELD & BARRIER ASSY.
	0017-00101-0134	#6-32x1/4 SLT. HEX HD. M.S. (4 REQ'D)
	A084-91490-A696	PROGR. CPU P.C. BRD. ASSY.
	A358-00016-0000	SHIELD & SPACER ASSY. - INNER
	A084-91464-A696	VIDEO GENERATOR P.C. BRD. ASSY.
	A358-00017-0000	SHIELD & SPACER ASSY. - OUTER
	0017-00101-0153	#6-32x1" SLT. HEX HD. M.S. (8 REQ'D)
11	A383-00020-0000	SUPPORT BRKT. ASSY. - TOP OF CARDRACK
12	A945-00020-0000	POWER CHASSIS ASSY. - 125VA., 115V
13	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY.
14	A084-91631-B000	AUXILIARY POWER SUPPLY BOARD
15	A084-90412-D000	POWER SUPPLY P.C. BRD. ASSY. - 125VA
	0624-00902-0100	P.C. SUPPORT BRKT. - 12" LG (2 REQ'D)
	0624-00902-0300	P.C. SUPPORT BRKT. - 2-1/2" LG (2 REQ'D)
	0624-00902-0500	P.C. SUPPORT BRKT. - 6-1/2" LG (4 REQ'D)
	0017-00104-0037	#8 FLAT WASHER (14 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD SCREW (14 REQ'D)
16	A961-00007-0000	CASTER ASSY. (2 REQ'D)
17	A945-00019-0000	LINE CORD ASSY. - 115V

NO. 696 - DISCS OF TRON UPRIGHT - REAR ACCESS - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NUMBER	DESCRIPTION
		ADDITIONAL PARTS LIST
	A097-00009-0000	BACK DOOR LOCK ASSY.
	0017-00009-0490	5-5/8" SQR VENT GRILLE (BACK DOOR)
	A696-00012-0000	MASTER CABLE W/BRKT. ASSY.
	A696-00014-0000	HIGH VOLTAGE CABLE ASSY.
	A941-00008-0000	LOW VOLTAGE CABLE ASSY.
	A337-00018-0000	VIDEO CABLE ASSY.
	A696-00034-0000	AUDIO ADAPTER CABLE ASSY.
	A696-00010-0000	CONTROL SHELF CABLE ASSY.



NO. 383 - DISCS OF TRON ENVIRONMENTAL - FRONT - PARTS LIST

ORDER BY PART NUMBER ONLY

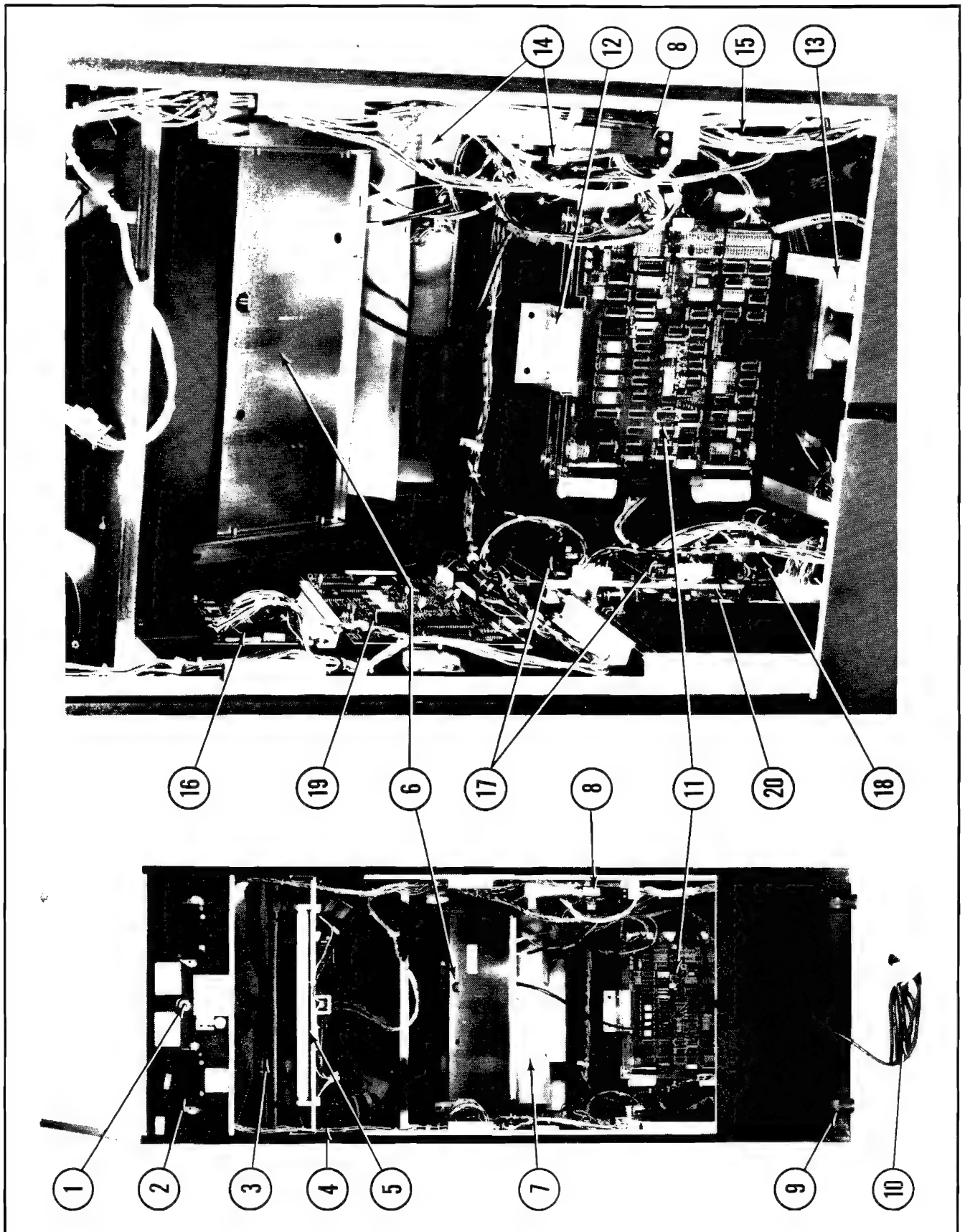
ITEM	PART NO.	DESCRIPTION
1	0383-00908-0000	3-D DECORATIVE HEADER 22"x8-5/8"
2	0383-00907-00XF	FRONT GLASS -23"X25-17/32"x3/16"
3	R901-30000-0025	PLAIN TEMPERED GLASS - 23"x16-19/32"x1/8"
4	0383-00906-00XF	BILLBOARD GLASS - 23"x39-23/32"x3/16"
5	0383-00109-00XF	HEADER BRACKET
6	0383-00107-00XF	BILLBOARD BRACKET
7	0383-00112-00XF	GLASS RETAINER
	0017-00101-0138	#8x5/8 TORX TAMPER RESISTANT SCREW (11 REQ'D.)
	0017-00009-0522	LONG ARM KEY T-20 (FOR ABOVE SCREW)
8	A383-00018-0000	HEADER LIGHT W/O LINE FILTER (4 REQ'D.)
	A383-00022-0000	FLUOR. W/O FILTER CABLE ASSY.
9	0595-00105-0000	FLUORSCENT BRKT.
10	0017-00003-0043	18" COOL WHITE FLUOR. LAMP
11	0017-00031-0036	FLUORSCENT SOCKET (2 REQ'D.)
	0017-00003-0445	LAMP LOCK (2 REQ'D.)
12	0017-00003-0019	STARTER
	0017-00003-0412	STARTER HOLDER
13	0017-00003-0026	BALLAST
14	0017-00102-0048	3/8-16x2" LEG LEVELERS (6 REQ'D.)
	0017-00103-0026	3/8-16 LEVELER HEX NUTS (6 REQ'D.)
15	0383-00116-0000	T-MOLDING GUARD (2 REQ'D.)
	0017-00101-0192	#8-32x1/2 PHIL. PAN HD. SCREW (6 REQ'D.)
16	0383-00923-0000	BUMPER (2 REQ'D.)
	0017-00101-0088	#8x3/4 BLACK PHIL. FLAT HD. SCREW (12 REQ'D.)
17	0383-00915-00XF	MAIN VIEWING GLASS
18	0383-00112-00XF	GLASS RETAINER
19	0383-00912-00XF	LAMP PROTECTOR
20	A696-00038-0000	CONTROL FLUOR. BLACKLIGHT W/O LINE FILTER
21	A383-00010-0000	CONTROL SHELF WELDMENT ASSY.
	0383-00900-0000	DECORATIVE OVERLAY
	A383-00005-0000	CONTROL SHELF CABLE ASSY.
	0595-00106-0100	CONTROL SHELF MTG. BRKT. - RIGHT
	0595-00106-0200	CONTROL SHELF MTG. BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D.)
	0017-00009-0534	BASSICK CLAMP (3 REQ'D.)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCR. (12 REQ'D.)
	0383-00104-0000	CONTROL SHELF STRAP
	0383-00101-0000	CONTROL SHELF BACKUP BRKT.
22	A696-00007-0000	GRIP W/SWITCH ASSY.
	A696-00022-0000	CONTROL ASSY.
23	A696-00029-0000	KNOB & SHAFT ASSY.
	A696-00028-0000	OPTICAL ENCODER DISC ASSY.
24	0017-00042-0260	PUSHBUTTON ASSEMBLY
	0017-00032-0093	PUSHBUTTON SWITCH W/HOLDER
	0017-00103-0054	5/8-11 PAL NUT
	0017-00104-0026	FLAT WASHER
	0017-00100-0025	1/4" E-RING

NO. 383 -DISCS OF TRON ENVIRONMENTAL -FRONT -PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
25	A982-00014-0004	U.S.A. 50¢ COIN DOOR ASSY. W/CABLE ASSY.
	A982-00015-0000	COIN DOOR CABLE ASSY.
26	A090-00605-0000	CASH BOX DOOR & LOCK ASSY.
	A090-00606-0000	CASH BOX & PULL ASSY.
	0090-00189-0000	CASH BOX ENCLOSURE
27	A090-00603-00XF	COIN DOOR FRAME ASSY.
	0017-00101-0121	#6-32x5/16 PHIL TRS. HD. SCR. (7 REQ'D.) (MOUNTS COIN DOOR TO FRAME)
28	A383-00019-0000	FLASHING FLUOR. FOOT LIGHT W/O FILTER ASSY. (2 REQ'D.)
	A696-00043-0000	FLASHING LIGHT CABLE ASSY.
	0383-00117-0000	FLUORSCENT BRKT.
	0017-00003-0046	18" BLACK LIGHT
	0017-00031-0036	FLUOR. SOCKET (2 REQ'D.)
	0017-00003-0445	LAMP LOCK (2 REQ'D.)
	0017-00003-0026	BALLAST
	MT00-00125-A000	POWER TRANSFORMER - 60HZ.
29	0383-00911-0000	LIGHT COVER/FRONT
	0017-00101-0138	#8x5/8 TORX TMPPER RESISTANT PAN HD. SCR. (3 REQ'D.)

NO. 383 - DISCS OF TRON ENVIRONMENTAL - REAR ACCESS



NO. 383 - DISCS OF TRON ENVIRONMENTAL - REAR ACCESS - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A945-00038-0000	ON-OFF SWITCH & PLATE ASSY.
2	0894-00916-0000	PLASTIC PULL & VENT (2 REQ'D.)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. M.S. (8 REQ'D.)
3	0383-00904-0000	REAR SCENERY
4	0383-00115-00XF	SCENERY TRAP BRKT. (2 REQ'D.)
	0696-00114-0000	REAR SCENERY BRKT.
5	A696-00040-0000	FLASHING WHITE LIGHT W/O FILTER ASSY.
	A696-00043-0000	FLASHING LIGHT CABLE ASSY.
	MT00-00125-A000	POWER TRNSFORMER - 60 HZ
	0017-00003-0026	BALLAST
	0017-00003-0043	18" COOL WHITE FLUOR. LAMP
	0017-00031-0036	FLUORSCENT SOCKETS (2 REQ'D.)
	0017-00003-0445	FLUOR. LAMP LOCK (2 REQ'D.)
6	0017-00003-0339	ELECTROHOME - 19" COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0439	WELLS-GARDNER - 19" COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0454	ZENITH - 19" COLOR DUAL SYNC HORIZ. MTG. MONITOR
	0636-00101-0000	MONITOR RAIL (2 REQ'D.)
7	0696-00911-0000	MONITOR SHIELD
8	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
9	A961-00007-0000	CASTER ASSY. (2 REQ'D.)
10	A945-00019-0000	LINE CORD ASSY. - 115V
11	A383-00015-0000	CARDRACK W/BOARDS ASSY.
	A084-91657-A383	SOUND I/O P.C. BRD. ASSY.
	A639-00060-0000	SHIELD & BARRIER ASSY.
	0017-00101-0134	#6-32x1/4 SLT. HEX HD. M.S. (4 REQ'D.)
	A084-91490-A383	PROGR. CPU P.C. BRD. ASSY.
	A358-00016-0000	SHIELD & SPACER ASSY. - INNER
	A084-91464-A696	VIDEO GENERATOR P.C. BRD. ASSY.
	A358-00017-0000	SHIELD & SPACER ASSY. - OUTER
	0017-00101-0153	#6-32x1" SLT. HEX HD. M.S. (8 REQ'D.)
12	A383-00020-0000	SUPPORT BRKT. ASSY. - TOP OF CARDRACK
13	A945-00020-0000	POWER CHASSIS ASSY. - 125VA., 115V
14	A084-91661-B000	RELAY CONTROL BRD. ASSY. (2 REQ'D.)
	0383-00919-0000	RELAY CONTROL BRD. COVER (2 REQ'D)
	0383-00920-0000	RELAY CONTROL BRD. SHIELD (2 REQ'D.)
15	A084-91659-C383	FLUOR. CONTROL P.C. BRD. ASSY.
16	A084-91658-C696	LAMP SEQUENCER P.C. BRD. ASSY.
17	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY. (2 REQ'D.)
18	A084-91631-B000	AUXILIARY POWER SUPPLY BOARD
19	A084-91660-C000	SQUAWK & TALK P.C. BRD. ASSY.
20	A084-90412-D000	POWER SUPPLY P.C. BRD. ASSY. - 125V
	0624-00902-0100	P.C. SUPPORT BRKT. -12" LG. (2 REQ'D.)
	0624-00902-0300	P.C. SUPPORT BRKT. -21/2" LG. (2 REQ'D.)
	0624-00902-0500	P.C. SUPPORT BRKT. -61/2" LG. (4 REQ'D.)
	0017-00104-0037	#8 FLAT WASHER (14 REQ'D.)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCREW (42 REQ'D.)

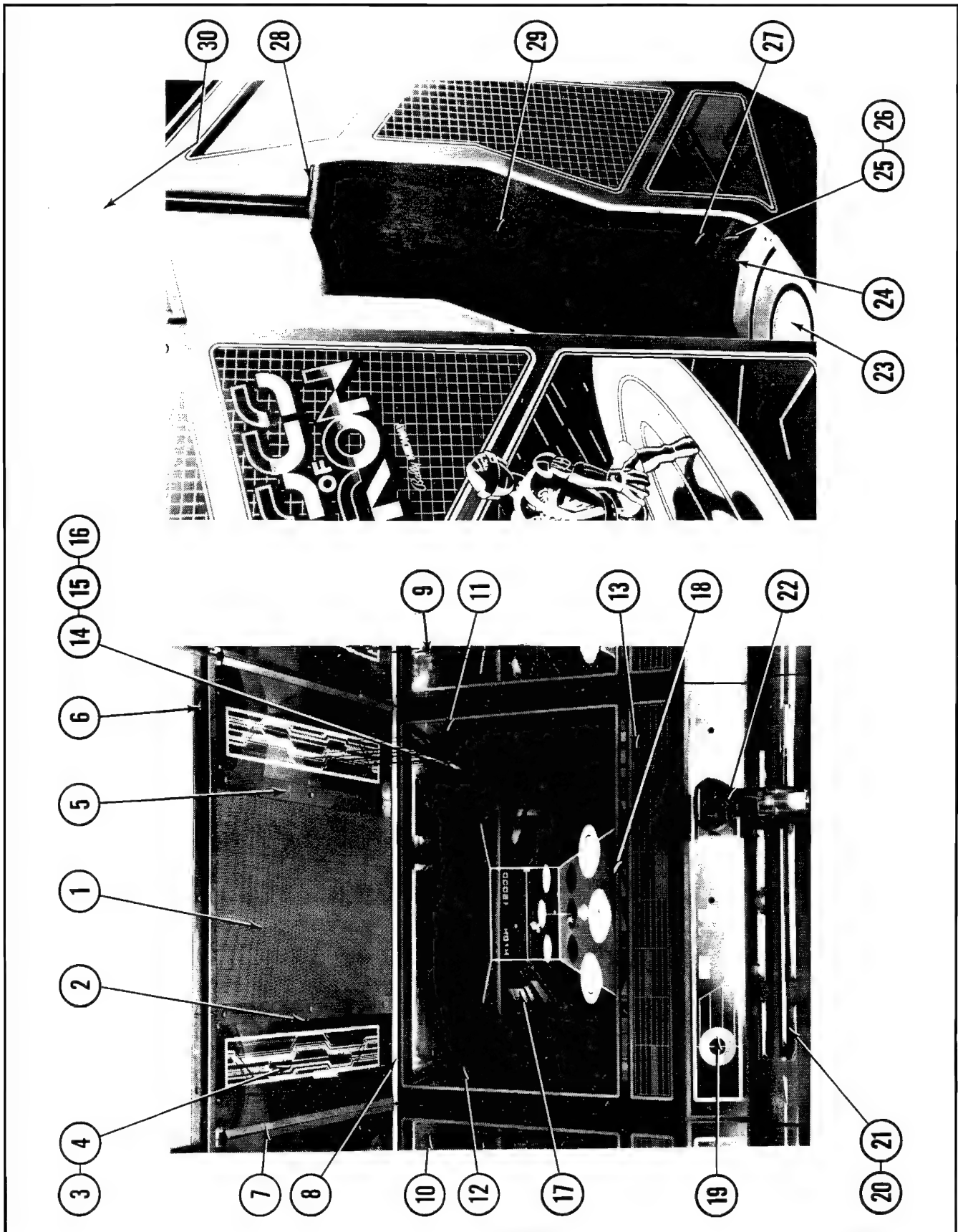
NO. 383 - DISCS OF TRON ENVIRONMENTAL - REAR ACCESS - PARTS LIST

ORDER BY PART NUMBER ONLY

ADDITIONAL PARTS LIST

ITEM	PART NO.	DESCRIPTION
	A383-00007-0000	MASTER CABLE W/BRKT. ASSY.
	A383-00009-0000	HIGH VOLTAGE CABLE ASSY.
	A941-00008-0000	LOW VOLTAGE CABLE ASSY.
	0017-00009-0490	REAR DOOR VENT GRILLE -5-5/8" SQR. (4 REQ'D.)
	A097-00009-0000	REAR DOOR LOCK ASSY.

NO. 383 - DISCS OF TRON ENVIRONMENTAL - CONTROL AREA



NO. 383 - DISCS OF TRON ENVIRONMENTAL - CONTROL AREA - PARTS LIST

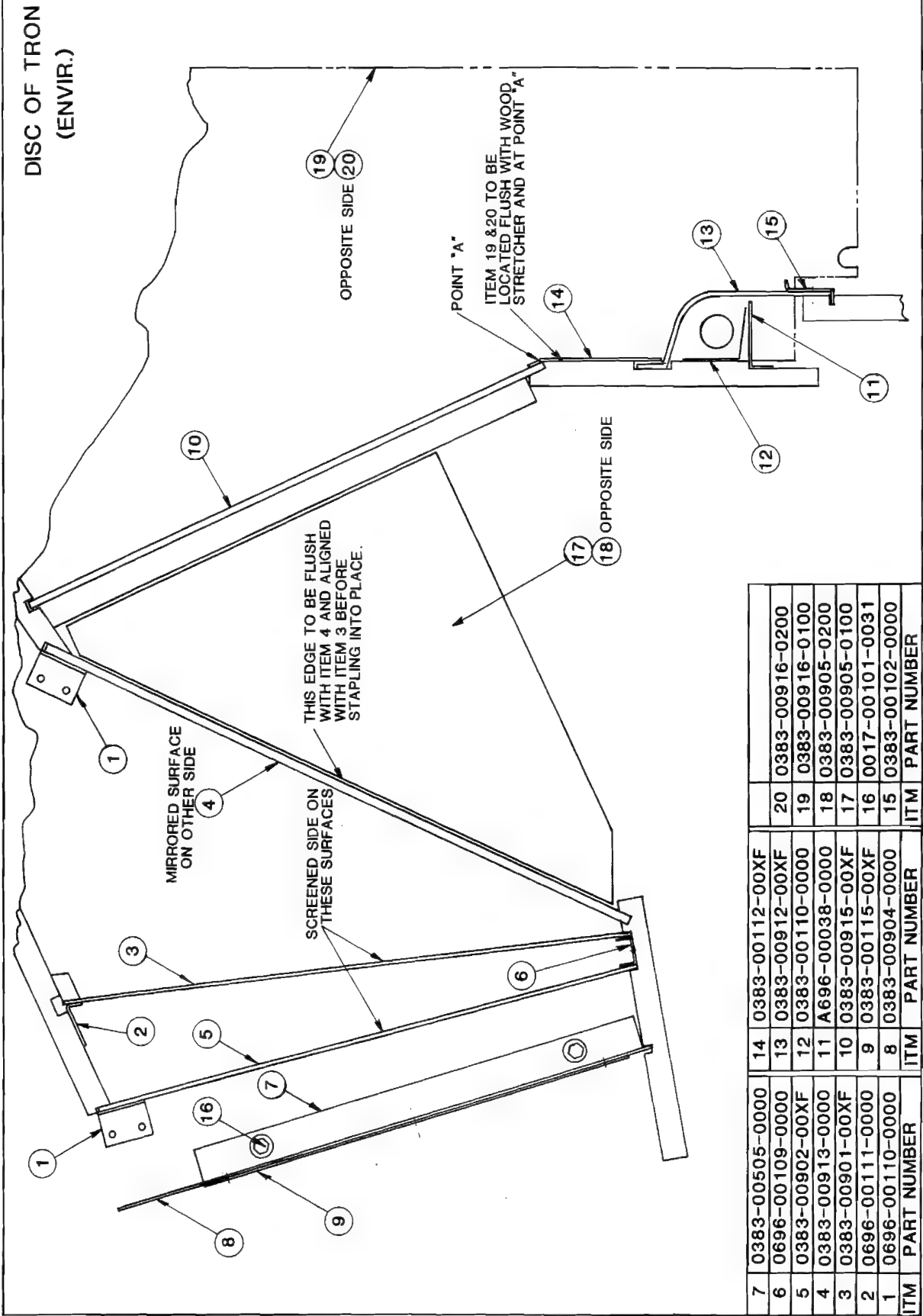
ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A383-00023-00XF	SPEAKER BEZEL W/BOLT ASSY.
	0017-00003-0430	6"x9" SPEAKER - 4 OHM, 10W (2 REQ'D.)
2	A696-00039-0000	ARENA BLACK LIGHT W/O FILTER ASSY.
	A696-00043-0000	FLASHING LIGHT CABLE ASSY.
3	0383-00903-00XF	LIGHT INSERT COVER (2 REQ'D.)
	0383-00103-0000	INSERT BRKT. (4 REQ'D.)
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (16 REQ'D.)
4	0017-00003-0219	#194 WEDGE BASE LAMP - 14V., .27A (10 REQ'D.)
	0017-00031-0030	WEDGE BASE LIGHT SOCKET (10 REQ'D.)
	A383-00014-0000	LIGHT INSERT CABLE ASSY.
5	0383-00119-00XF	COVER STRIP (2 REQ'D.)
6	0383-00118-00XF	END CHANNEL
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (9 REQ'D.)
7	0383-00921-0200	CHANNEL - 14-11/16" LG. (2 REQ'D.)
8	0383-00921-0100	CHANNEL - 22-15/16" LG.
9	0383-00916-0100	MIRROR - RIGHT SIDE
10	0383-00916-0200	MIRROR - LEFT SIDE
11	0383-00905-0100	SIDE SCENERY - RIGHT
12	0383-00905-0200	SIDE SCENERY - LEFT
13	0383-00915-00XF	MAIN VIEWING GLASS
14	0383-00913-0000	MIRROPLANE
	0696-00110-0000	MIRROR HOLD DOWN BRKT. (2 REQ'D.)
15	0383-00901-00XF	SCENERY - RED (NOT SEEN)
	0696-00111-0000	RED SCENERY HOLD DOWN BRKT.
	0696-00109-0000	SCENERY HOLD DOWN BRKT.
16	0383-00902-00XF	SCENERY - BLUE (NOT SEEN)
	0696-00110-0000	HOLD DOWN BRKT. (2 REQ'D.)
17	0383-00904-0000	SCENERY - REAR
	0383-00924-0000	SCENERY SUPPORT CHANNEL (2 REQ'D.)
	0383-00115-00XF	SCENERY TRAP BRKT. (2 REQ'D.)
18	0696-00909-0000	MONITOR BEZEL
19	0383-00112-00XF	GLASS RETAINER
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (3 REQ'D.)
20	0383-00912-00XF	LAMP PROTECTOR
	0383-00102-0000	LAMP SHIELD BRKT.
21	A696-00038-0000	CONTROL SHELF FLUOR. BLK. LIGHT W/O FILTER ASSY.
	A696-00042-0000	CONTROL LIGHT CABLE ASSY.
	0383-00111-0000	FLUOR BRKT.
	0017-00003-0095	18" BLACK LIGHT LAMP
	0383-00110-0000	REFLECTOR
	0017-00031-0036	FLUOR. LAMP SOCKET (2 REQ'D.)
	0017-00003-0445	LAMP LOCKS (2 REQ'D.)
22	A696-00007-0000	GRIP W/SWITCH ASSY.
23	0383-00909-0000	DECORATIVE FLOOR OVERLAY
	0383-00106-0000	FLOOR
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (10 REQ'D.)

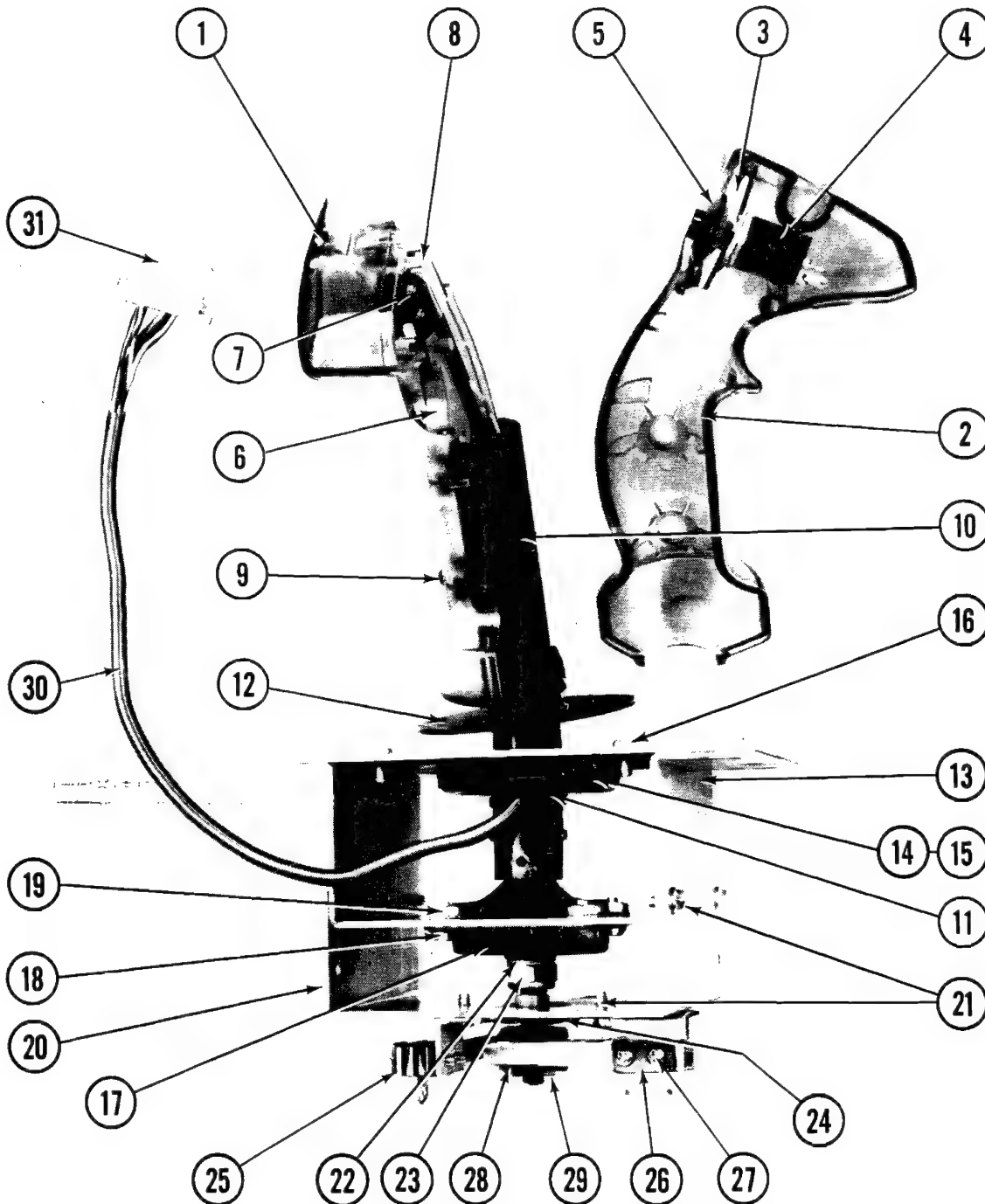
NO. 383 - DISCS OF TRON ENVIRONMENTAL - CONTROL AREA - PARTS LIST**ORDER BY PART NUMBER ONLY**

ITEM	PART NO.	DESCRIPTION
24	0383-00105-00XF	BASE BRKT. (UNDER OVERLAY, NOT SEEN)
25	0383-00910-00XF	LIGHT COVER - REAR
26	A383-00019-0000	FLASHING FOOT LIGHT W/O FILTER ASSY.
27	0383-00113-00XF	CARPET BRACKET - BOTTOM
28	0383-00114-00XF	SLOTTED CARPET BRKT. - TOP
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (9 REQ'D.)
29	0383-00918-0000	CARPET - CABINET LINER
	0017-00081-0172	2" WIDE DOUBLE FACE CARPET TAPE
30	0017-00003-0430	6"x9" SPEAKER - 4 OHM, 10W (2 REQ'D.)
		(LOCATED ABOVE CABINET LINER, NOT SEEN)
	0383-00120-00XF	SPEAKER GRILLE - REAR

VISUAL EFFECTS PIECE PART ASSEMBLY



NO. 696 & 383 - DISCS OF TRON - CONTROL GRIP ASSEMBLY

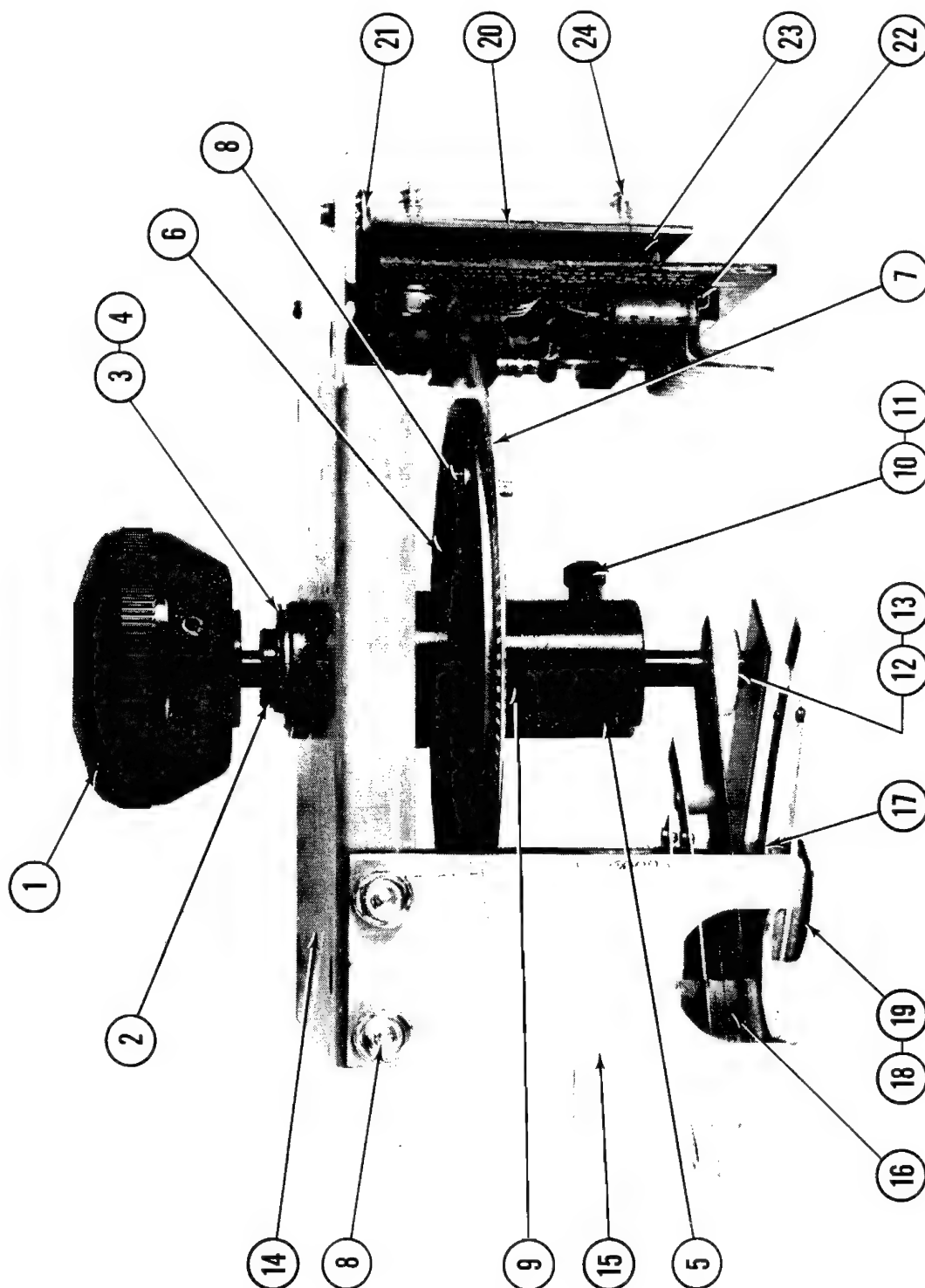


NO. 696 & 383 - DISCS OF TRON - CONTROL GRIP ASSEMBLY - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	0873-00900-0400	CONTROL GRIP - LEFT
2	0873-00900-0300	CONTROL GRIP - RIGHT
3	0696-00100-0000	GRIP SWITCH PANEL
4	0696-00900-0000	NOTCHED SWITCH
	0017-00104-0112	7/8" INT. WASHER
	0017-00104-0045	3/4" FLAT WASHER
	0017-00103-0089	5/8-24 HEX NUT
5	0929-00905-00XF	SWITCH BEZEL
	A696-00006-0000	GRIP SWITCH PANEL ASSY. (ITEMS 3 THRU 5)
6	0628-00906-0000	TRIGGER
7	0696-00102-00XF	TRIGGER SWITCH BRKT.
	0017-00101-0083	#4-20x3/8 PHIL PAN HD. SCR. (2 REQ'D.)
8	A696-00004-0000	GRIP TRIGGER SWITCH ASSY.
	0020-00202-0000	SWITCH PLATE
	0017-00101-0525	#5-40x9/16 PHIL. RND. HD. M.S. (2 REQ'D.)
9	0017-00101-0149	#10-32x3/8 TORX TAMPER RESISTANT BUTTON HD. SCREW (5 REQ'D.)
10	A696-00019-0000	TUBING TO PIVOT PIN ASSY.
11	0696-00907-0000	SLEEVE
12	0628-00904-0000	SLIDE
13	A639-00020-0000	CENTERING BRKT. WELD ASSY.
14	0873-00113-00XF	BUMPER MTG. BRKT.
15	0873-00910-0000	BUMPER
16	0017-00101-0615	#8-32x3/8 SLT. PAN HD. M.S. (4 REQ'D.)
17	0628-00905-0000	GROMMET
18	0017-00101-0799	#10-32x3/8 SLT. HEX HD. M.S. (4 REQ'D.)
19	0017-00103-0081	#10-32x5/16 HEX NUT W/SEMS (4 REQ'D.)
20	A696-00025-0000	STOP PLATE & SWITCH BRKT. ASSY.
21	0017-00101-0598	#8-32x5/16 SLT. HEX HD. M.S. (6 REQ'D.)
22	0017-00104-0034	5/8" FLAT WASHER
23	0017-00103-0102	7/16-14 LOCK NUT
24	0639-00906-0000	WEAR PLATE
25	A355-00003-0000	MOLDED SWITCH ASSY. (4 REQ'D.)
26	0020-00202-0000	SWITCH PLATE (4 REQ'D.)
27	0017-00101-0527	#5-40x5/8 PHIL. RND. HD. M.S. (8 REQ'D.)
28	0921-00700-0000	ACTUATOR
29	0017-00100-0025	1/4" E-RING
30	0010-00266-0100	STRAIN RELIEF EXT. SPRING
31	0017-00021-0311	6 PIN CONNECTOR
	0017-00103-0011	#10-32 LOCK NUT (4 REQ'D.) MOUNTS ASSEMBLY TO CONTROL SHELF

NO. 696 & 383 - DISCS OF TRON - OPTICAL ENCODER KNOB ASSEMBLY

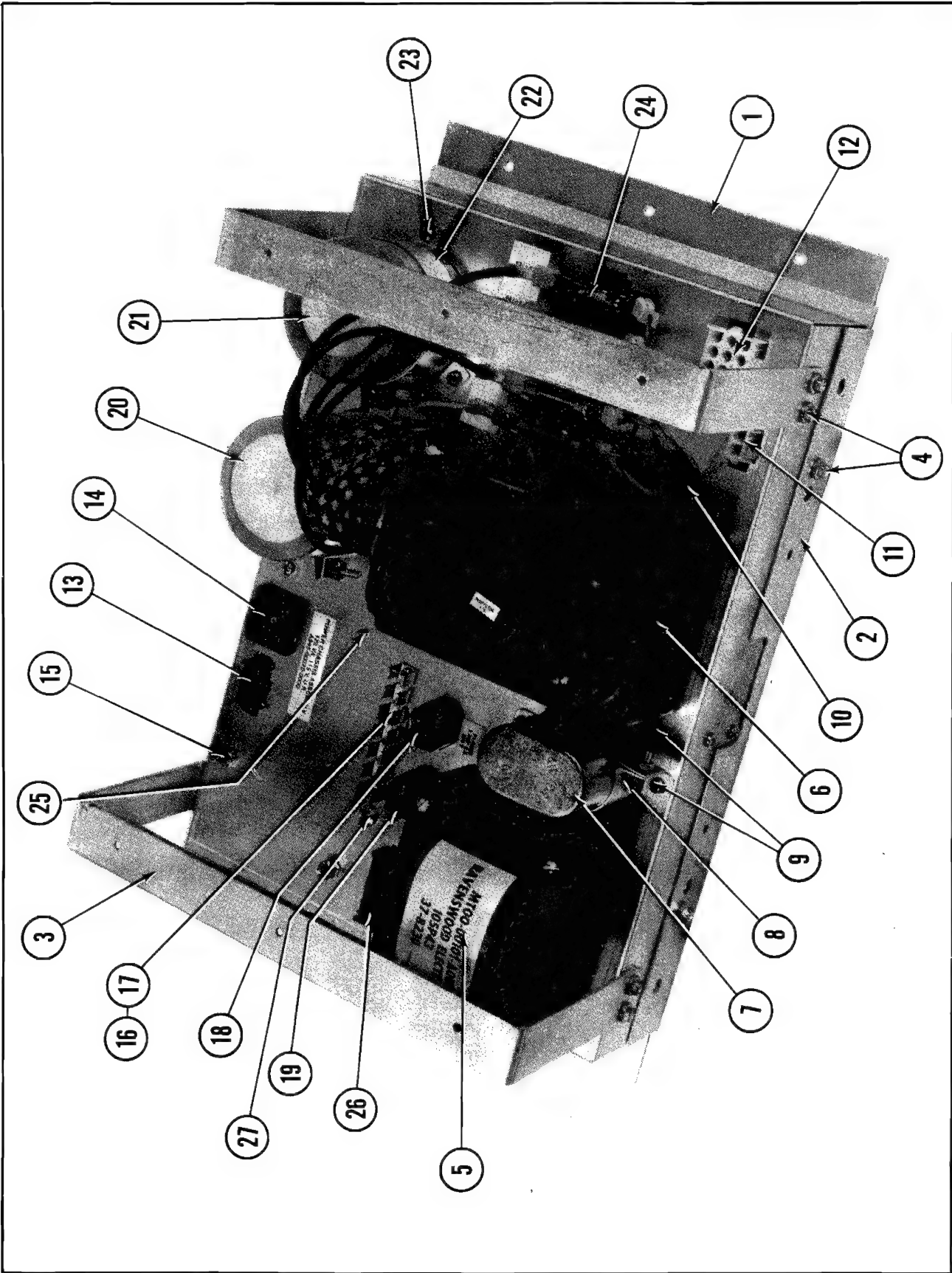


NO. 696 & 383 - DISCS OF TRON - OPTICAL ENCODER KNOB ASSEMBLY - PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A696-00029-0000	KNOB & SHAFT ASSEMBLY
2	0696-00703-00XF	MAIN SHAFT
3	0017-00100-0050	1/2" E-RING (2 REQ'D)
4	0017-00104-0045	3/4" FLAT WASHER
5	A696-00031-0000	HUB & BOTTOM PLATE ASSY.
6	0696-00103-0000	TOP PLATE
7	0628-00900-0000	SENSOR DISC
8	0017-00101-0124	#6x1/4 UNSLOT HEX HD. M.S. (7 REQ'D.)
9	0017-00101-0791	#8-32x1/4 HEX HD. SET SCREW (2 REQ'D.)
10	0639-00705-00XF	STOP STUD
11	0639-00911-0000	ROLLER SLEEVE
12	0696-00702-0000	SWITCH ACTUATOR
13	0017-00100-0025	1/4" E-RING
14	A696-00016-0000	BEARING TO BUSHING/BRKT. ASSY.
15	0696-00105-0000	SWITCH MOUNTING BRKT.
16	A696-00018-0000	LEAF SWITCH ASSY.
17	A696-00030-0000	LOWER SWITCH LEAF ASSY.
18	0020-00202-0000	SWITCH PLATE (2 REQ'D.)
19	0017-00101-0528	#5-40x3/4 PHIL. RND. HD. SCREW (4 REQ'D.)
20	0696-00113-0000	ENCODER P.C. BRD. MTG. BRKT.
21	0017-00101-0586	#8-32x3/16 SLT. PAN HD. M.S. (2 REQ'D.)
22	A084-91482-A000	OPTICAL ENCODER P.C. BRD.
23	0017-00042-0072	PLASTIC GROMMET (4 REQ'D.)
24	0017-00101-0027	#8x3/4 SLT. HEX HD. WD. SCR. (4 REQ'D.)
	0017-00103-0011	#10-32 LOCK NUT (4 REQ'D.) MOUNTS
		ASSEMBLY TO CONTROL SHELF

— POWER CHASSIS ASSY. — 125VA., 115V.

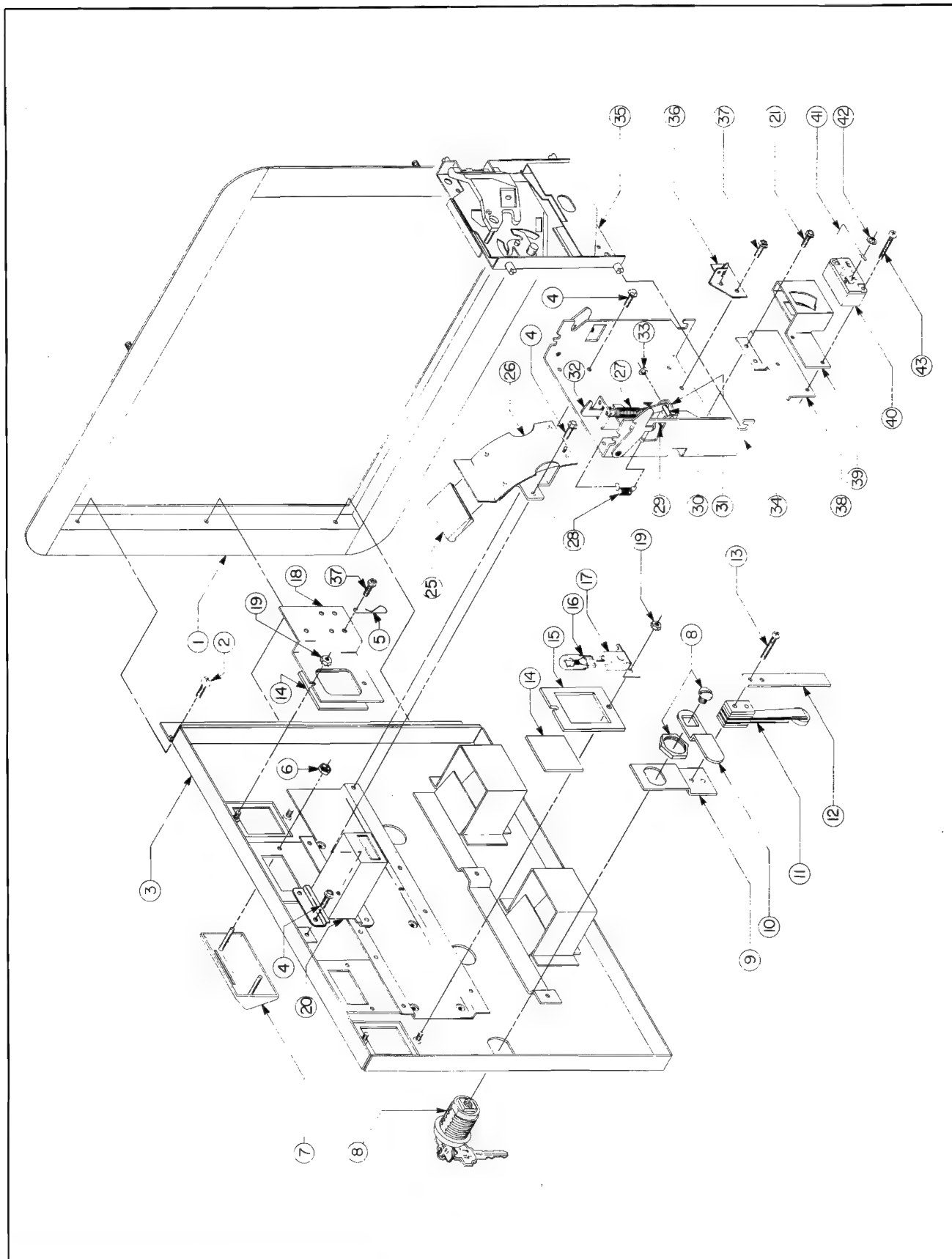


POWER CHASSIS ASSY.—125VA., 115V.—PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	A945-00046-00XF	CHASSIS & PARTITION ASSY.
2	A945-00029-0100	MTG. PLATE & BARRIER ASSY.
3	0945-00107-01XF	STRAP (2 REQ'D.)
4	0017-00101-0123	#8 x 1/4 UNSLOT. HEX HD. SCR. (12 REQ'D.)
5	MT00-00101-A000	ISOLATION TRANSFORMER W/O SHIELD ASSY. — 115V., 50/60 HZ.
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
6	MT00-00099-A000	POWER TRANSFORMER ASSY. — 115V., 60 HZ.
	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D.)
7	0175-181T4-GXJK	CAPACITOR — 3.5 M.F., 440V.
8	0017-00009-0535	CLAMP
	0017-00101-0565	#6-32 x 7/16 SLT. PAN HD. SCR.
	0017-00103-0084	#6-32 HEX NUT W/SEMS
9	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (11 REQ'D.)
10	0945-00902-0000	SNAP BUSHING (3 REQ'D.)
11	0017-00021-0297	2 POSITION CONNECTOR
12	A945-00030-0100	CONNECTOR & CABLE ASSY. #1
13	A945-00030-0200	CONNECTOR & CABLE ASSY. #2
14	A945-00021-0000	CONVENIENCE OUTLET ASSY.
15	0017-00101-0573	#6-32 x 1/2 PHIL. RND. HD. SCR. (2 REQ'D.)
	0017-00103-0084	#6-32 HEX NUT W/SEMS (2 REQ'D.)
	A945-00025-0000	FILTER ASSEMBLY — 125V. — UNDER CHASSIS (NOT SEEN)
16	0017-00021-0510	TERMINAL STRIP
17	0017-00101-0140	#4-40 x 5/16 PHIL. PAN HD. SCR. (2 REQ'D.)
18	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
19	0017-00003-0005	FUSE — 2A., 250V.
	0017-00003-0444	QUICK CONN. FUSEHOLDER (2 REQ'D.) — FOR ABOVE FUSES
20	0945-00816-1902	CAPACITOR — 100,000 M.F.
21	0945-00816-1901	CAPACITOR — 55,000 M.F.
	0017-00104-0107	#10 FLAT WASHER (4 REQ'D.)
	0017-00103-0081	#10-32 HEX NUT W/SEMS (4 REQ'D.)
22	0017-00009-0422	CLAMP (2 REQ'D.)
	0017-00101-0758	#8-32 x 3/4 PHIL. RND. HD. SCREW (2 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (2 REQ'D.)
23	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (6 REQ'D.)
24	0945-00904-0000	5 POSITION FUSE HOLDER
	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
	0017-00003-0217	SLO-BLO FUSE — 2.5A., 250V. (2 REQ'D.)
	0017-00003-0007	SLO-BLO FUSE — 3A., 250V. (2 REQ'D.)
	0945-00903-0000	FUSE HOLDER BARRIER
	A945-00022-0000	HEATSINK & DIODE ASSY.
	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (2 REQ'D.)
25	0017-00101-0780	#6 x 1/2 PHIL. PAN HD. SCREW (2 REQ'D.)
	0017-00021-0629	5 POSITION TERMINAL STRIP — (UNDER CHASSIS)
	A945-00019-0000	LINE CORD ASSY. — 115V. (NOT SHOWN)
26	A945-00030-0500	CONNECTOR & CABLE ASSY.
27	0017-00101-0660	#10-32 x 3/4 PAN HD. SCREW
	0017-00104-0107	#10 FLAT WASHER
	0017-00103-0081	#10-32 HEX NUT W/SEMS

FRONT DOOR ASSEMBLY - U.S.A. 25¢

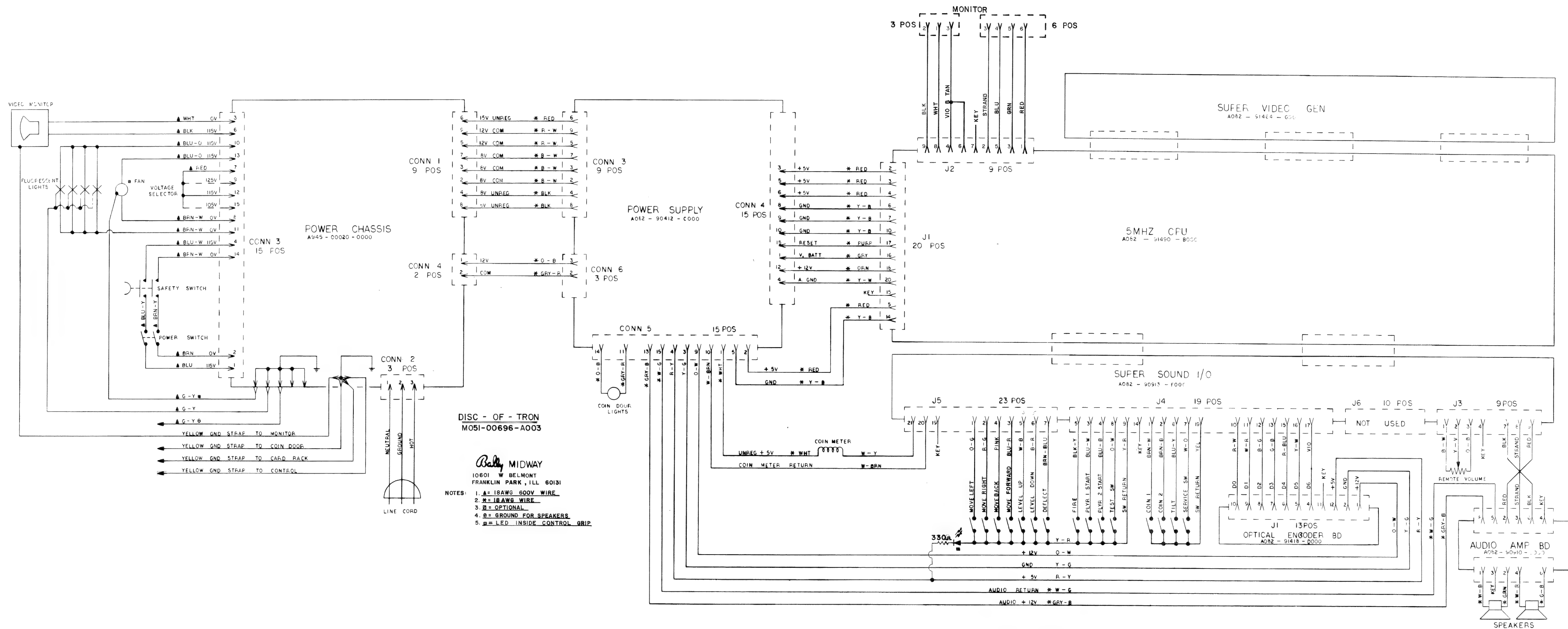


FRONT DOOR ASSEMBLY — U.S.A. 25¢ — PARTS LIST

ORDER BY PART NUMBER ONLY

ITEM	PART NO.	DESCRIPTION
1	0090-00002-04BK	DOUBLE ENTRY COIN DOOR FRAME
2	0017-00101-0121	#6-32 x 5/16 PHIL. TRS. HD. SCR. (3 REQ'D.)
3	A090-00073-02BK	DOUBLE ENTRY COIN DOOR W/DRESS PLATE
4	0017-00101-0123	#8 x 1/4 UNSLOT. HEX HD. SCREW (12 REQ'D.)
5	0017-00007-0019	KEY HOOK
6	0017-00103-0059	PUSH NUT (4 REQ'D.)
7	0090-00912-0000	COIN ENTRY PLATE — 25¢ (2 REQ'D.)
8	A097-00005-0000	DOOR LOCK & KEY W/SCREW & NUT (OR)
8	A097-00006-0000	DOOR LOCK & KEY W/SCREW & NUT
9	0090-00128-00XF	DOOR TILT SWITCH BRKT.
10	0017-00005-0041	DOOR CAM
11	A090-00095-0000	DOOR TILT SWITCH
12	0090-00126-03XF	SWITCH BACK-UP PLATE
13	0017-00101-0525	#5-40 x 9/16" PHIL. HD. M.S. (2 REQ'D.)
	A090-00096-0000	DOOR TILT SWITCH & BRKT. ASSY. (ITEMS 9 & 11 THRU 13)
14	0090-00903-9500	25¢ WINDOW (2 REQ'D.)
15	0090-00143-00XF	COIN PLEX RETAINER
16	0017-00003-0219	12 VOLT LAMP — G.E. #194 (2 REQ'D.)
17	0017-00031-0048	WEDGE SOCKET W/BRKT. (2 REQ'D.)
18	A090-00100-0000	BRKT. ASSY.
19	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D.)
20	A090-00089-0000	COIN METER W/DIODE
21	0017-00101-0124	#6 x 1/4 UNSLOT. HEX HD. SCR. (4 REQ'D.)
25	0090-00911-0000	INSULATOR (2 REQ'D.)
26	A090-00112-0000	COIN CHUTE & INSULATOR ASSY. (2 REQ'D.)
27	0010-00134-0000	SPRING
28	0010-00181-0000	SPRING
29	0017-00007-0083	1/8 x 1-5/8 ROLL PIN
30	0090-00129-00XF	PIVOT POST
31	0090-00167-00XF	PIVOT LEVER
32	0090-00182-00XF	REJECT LEVER
33	0017-00100-0018	E-RING
	A090-00088-0000	REJECT LEVER ASSY. (2 REQ'D.) (ITEMS 30 THRU 33)
34	A090-00115-0000	COIN ACCEPTOR FRAME ASSY. (2 REQ'D.)
35	0017-00005-0003	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D.) (OR)
35	0017-00005-0211	COIN ACCEPTOR W/ANTI STRING DEVICE (2 REQ'D.) (OR)
35	0017-00005-0214	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D.)
36	A090-00064-0000	ANTI-PENNY DEVICE
37	0017-00101-0099	#6 x 1/4 SLT. HEX HD. M.S. (2 REQ'D.)
38	0090-00162-00XF	COIN SWITCH MTG. BRKT.
39	0017-00005-0203	COIN SWITCH CHUTE
40	0017-00005-0195	COIN SWITCH
41	0010-00599-0000	COIN SWITCH WIRE
42	0017-00007-0015	PUSH-ON RING
	A090-00059-0400	COIN SWITCH & WIRE ASSY. (ITEMS 40 THRU 42)
43	0017-00101-0147	#4-40 x 3/4 PHIL. PAN. HD. M.S. (2 REQ'D.)
	A090-00077-0000	COIN GUIDE & SWITCH ASSY. (ITEMS 38 THRU 43)

III. Wiring Diagrams & Schematics



CROSS REFERENCE LIST

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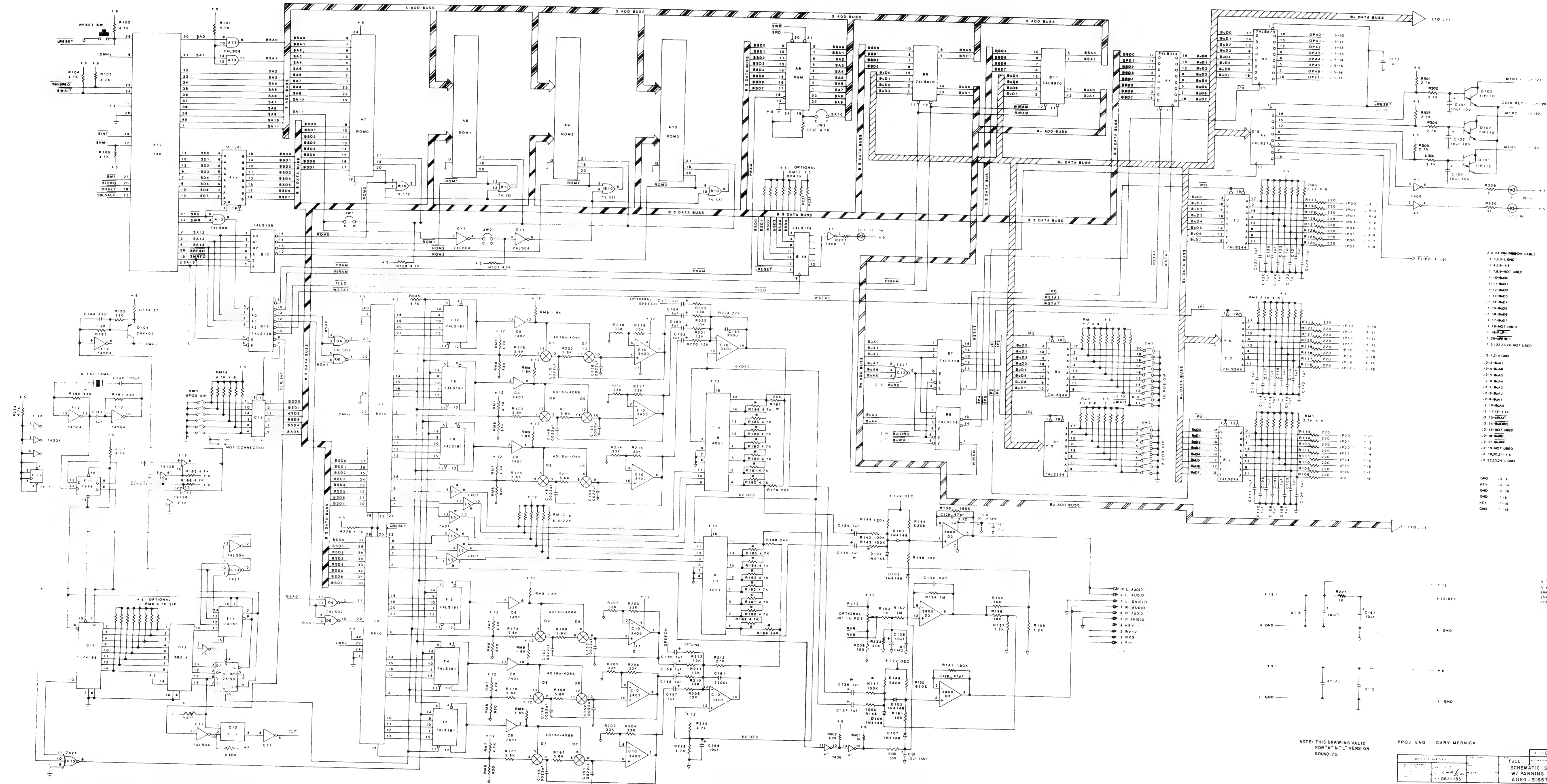
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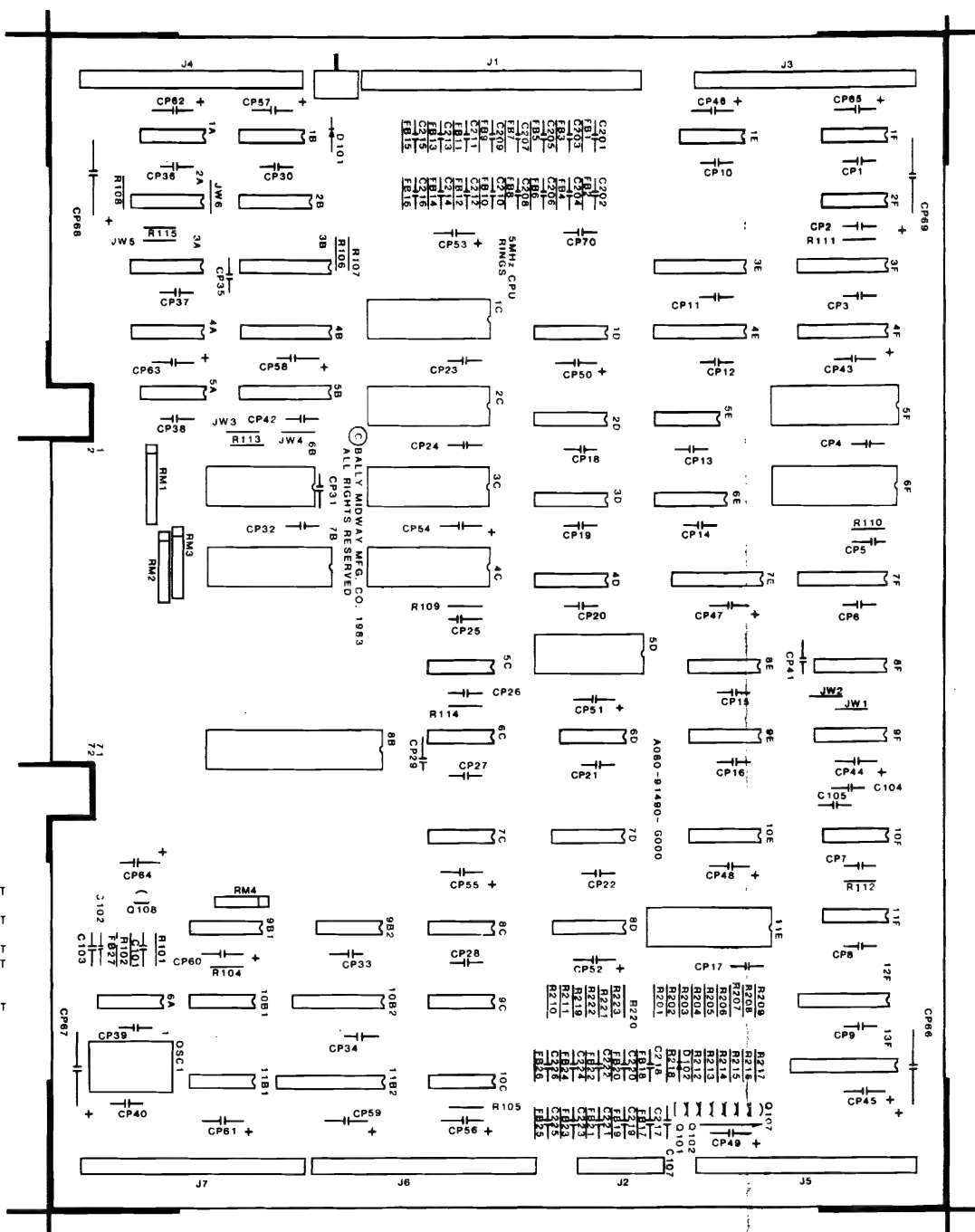
DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V 5% AX. CER.	1	C144	0986-00800-0300	2N4403	1	Q104	0986-00802-0500
47 PF 50V AX. CER.	2	C128,C129	0986-00800-2800	T1P110	3	Q101-Q103	0986-00802-0400
100 PF 50V 5% AX. CER.	1	C142	0986-00800-1000	74LS02	1	IC 6D	0986-00803-7400
330 PF 50V AX. CER.	2	C161,C165	0986-00800-1300	74LS04	1	IC 11C	0986-00803-6900
.0022 MF 100V 10% MYLAR	12	C145-C156	0986-00800-1200	74S04	1	IC 12F	0986-00803-6600
.047 MF .100V MYLAR	1	C139	0986-00800-2600	7406	1	IC 1A	0986-00803-7600
.01 MF 50V AX. CER.	50	CP2-CP12,CP14-CP33,CP35-CP46,CP48-CP51,C140,C141,C173	0986-00800-2000	7407	2	IC 5E,6C	0986-00803-5900
.1 MF 50V AX. CER.	25	C104-C127,C143	0986-00800-1100	74LS08	1	IC 13A	0986-00803-7300
1 MF 20V AX. TANT.	10	C134-C137,C157-C159,C162-C164	0986-00800-1400	7427	1	IC 13C	0986-00803-7200
10 MF 25V AX. TANT.	16	CP34,CP52,CP53,CP201-CP204	0986-00800-0700	74LS32	1	IC 10B	0986-00803-6100
		C101-C103,C131,C138,C166-C168,C172		7474	1	IC 11F	0986-00803-6700
470 MF 16V AX. ELECT.	4	CP1,CP13,CP47,CP54	0986-00800-2700	74126	1	IC 12E	0986-00803-6800
22 OHM 1/4W 5% CRBN.	1	R164	0062-06383-1XXX	74LS138	4	IC 7B,8B,12B,13B	0986-00803-6500
100 OHM 1/4W 5% CRBN.	1	R239	0062-11083-1XXX	74LS244	4	IC 2B,4B,2E,2F	0986-00803-4800
220 OHM 1/4W 5% CRBN.	25	R108-R131,R162	0062-13383-1XXX	74LS245	1	IC 11A	0986-00803-6400
300 OHM 1/4W 5% CRBN.	1	R231	0062-14183-1XXX	74LS273	2	IC 3A,4A	0986-00803-4700
330 OHM 1/4W 5% CRBN.	2	R160,R161	0062-14483-1XXX	74LS367	1	IC 14C	0986-00803-7000
1K OHM 1/4W 5% CRBN.	3	R153,R227,R401	0062-17983-1XXX	74LS374	1	IC 5A	0986-00803-4600
1.2K OHM 1/4W 5% CRBN.	3	R157,R158,R163	0062-18383-1XXX	74LS670	2	IC 9B,11B	0986-00803-6300
2.7K OHM 1/4W 5% CRBN.	6	R301-R306	0062-19983-1XXX	AY-3-8910	2	IC 6F,7F	0986-00803-8500
3K OHM 1/4W 5% CRBN.	1	R233	0062-20183-1XXX	LM3900	1	IC 3D	0986-00803-4900
4.7K OHM 1/4W 5% CRBN.	33	R101-R107,R165,R166,R180-R186,R189-R195,R225,R226,R228,R232,R234,R235,R402,R405-R407	0062-21183-1XXX	MC3403	2	IC 10C,10E	0986-00803-5000
5.6K OHM 1/4W 5% CRBN.	12	R173-R178,R197-R202	0062-21583-1XXX	MC14016	3	IC 7D-9D	0986-00803-6200
10K OHM 1/4W 5% CRBN.	4	R146,R151,R155,R156	0062-22783-1XXX	MC14024	1	IC 12C	0986-00803-7100
13K OHM 1/4W 5% CRBN.	6	R209-R211,R220-R222	0062-23383-1XXX	MC14051	2	IC 3E,5D	0986-00803-5400
24K OHM 1/4W 5% CRBN.	4	R179,R187,R188,R196	0062-24583-1XXX	PROMSB2-A	1	IC 12D	0986-00803-8200
27K OHM 1/4W 5% CRBN.	2	R213,R224	0062-24783-1XXX	RAM 1K X 8	1	IC 6A	0986-00803-8000
33K OHM 1/4W 5% CRBN.	13	R135,R203-R208,R214-R219	0062-25183-1XXX	ROM/EPROM 0	1	IC 7A	
100K OHM 1/4W 5% CRBN.	4	R142,R143,R147,R148	0062-27583-1XXX	ROM/EPROM 1	1	IC 8A	EPROM/ROM
180K OHM 1/4W 5% CRBN.	2	R138,R141	0062-28783-1XXX	ROM/EPROM 2	1	IC 9A	OPTIONS KIT
620K OHM 1/4W 5% CRBN.	4	R144,R145,R149,R150	0062-31383-1XXX	ROM/EPROM 3	1	IC 10A	
1 MEG. OHM 1/4W 5% CRBN.	2	R152,R154	0062-32383-1XXX	Z-80 (3880)	1	IC 12A	0986-00803-5500
820 OHM 8 PIN S.I.P.	1	RM8	0986-00805-0800	16 PIN IC SOCKET	1	ICS 12D	0986-00804-1400
1.8K OHM 10 PIN S.I.P.	1	RM9	0986-00805-0600	24 PIN IC SOCKET	5	ICS 6A-ICS 10A	0986-00804-1600
2.7K OHM 10 PIN S.I.P.	3	RM3-RM5	0986-00805-0500	40 PIN IC SOCKET	3	ICS 12A,ICS 6F,ICS 7F	0986-00804-1500
4.7K OHM 8 PIN S.I.P.	1	RM7	0986-00805-0400	10PIN KK 100 RT. ANGLE OMIT 4	1	J3	3000-16366-1002
4.7K OHM 10 PIN S.I.P.	2	RM1,RM14	0986-00805-0300	19 PIN KK 100 RT. ANGLE OMIT 14	1	J4	3000-16366-1901
22K OHM 10 PIN S.I.P.	1	RM10	0986-00805-0700	23 PIN KK 100 RT. ANGLE OMIT 19	1	J5	3000-16366-2301
1N4148	6	D101-D103,D105-D107	0986-00801-0200	24 PIN KK 100 RT. ANGLE	2	J1,J2	0986-00804-4700
				JUMPER WIRE	2	JW1,JW2	0986-00804-4000
				YELLOW LED	1	LED 3	0986-00804-2000
				8 POSITION DIP SW.	1	SW3	0986-00805-0900
				10 POSITION DIP SW.	1	SW1	0986-00805-1000
				PB SWITCH	1	SW4	0986-00804-1700
				16 MHZ XTAL W/3RD LEAD	1	XTAL 1	0986-00805-1100
				SNAPS	3	MHQ101-MHQ103	0017-00007-0134
				SOUND I/O BD. W/PANNING	1		A080-91657-A000

PROJECT ENG: C. MEDNICK		USED ON MCR II / DISC S/U		<i>Betty</i> / MIDWAY MFG.CO. <small>CHARLTON, N.J.</small>	
DO NOT REMOVE		HEAT TREAT	SCALE FULL	NO REQ'D PER	
DIM. LENGTH 1.00 DIM. WIDTH 0.50 DIM. THICK 0.063 DIM. HOLE 0.125 DIM. HOLE 0.125 DIM. HOLE 0.125		DRW. <i>RM</i>	MAT'L	PART NO	
DATE 08/22/83 BY <i>CM</i>		FINISH	ASSEMBLY DWG. STANDARD I/O BD. W/ PANNING DISC S/U A084-91657-A383		M051-00383 - A024



DESIGNATION LIST

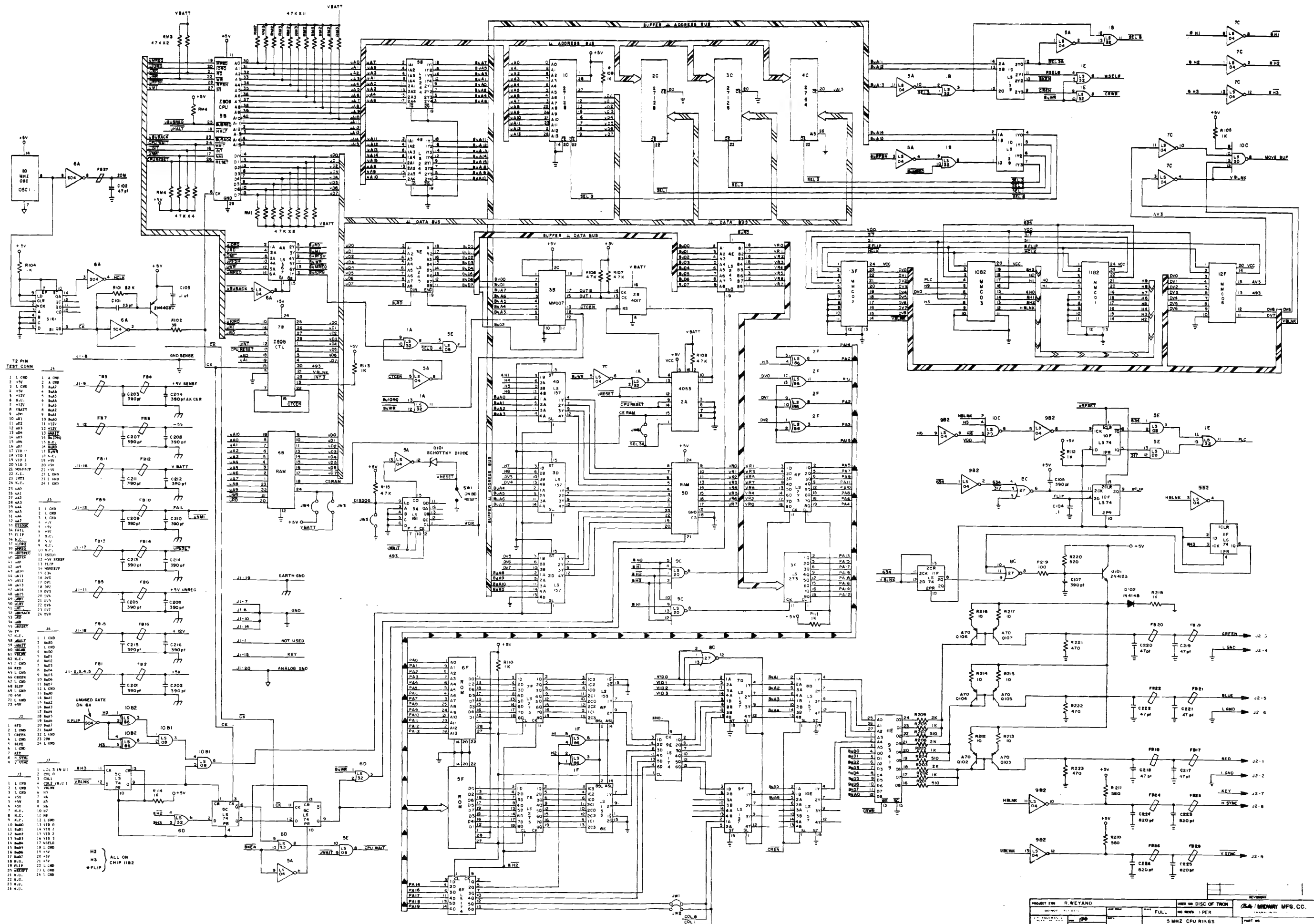
DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION
CP1-CP42	.01 MF AX. CER.	IC 4A	74LS367
CP43-CP65	10 MF 25V AX. TANT.	IC 5A	74LS04
CP66-CP69	470 MF 16V AX. ELECT.	IC 6A	74LS04
CP70	.01 MF AX. CER.	IC 1B	74LS32
C101	33 PF AX. CER.	IC 2B	4017
C102	47 PF AX. CER.	IC 3B	MMC07
C103	.1 UF AX. CER.	IC 4B, IC 5B	74LS244
C104	.1 UF AX. CER.	IC 6B	NV RAM
C105	390 PF AX. CER.	IC 7B	Z80B CTC
C107	390 PF AX. CER.	IC 8B	Z80B
C201-C216	390 PF AX. CER.	IC 9B1	74LS161
C217-C222	47 PF AX. CER.	IC 9B2	74LS04
C223-C226	820 PF AX. CER.	IC 10B1	74LS08
		IC 10B2	MMC03
		IC 11B1	74LS86
R101	82K OHM 1/4W 5% CRBN.	IC 11B2	MMC01
R102	39 OHM 1/4W 5% CRBN.	IC 1C, IC 2C,	EPROM
R104, R105	1K OHM 1/4W 5% CRBN.	IC 3C, IC 4C	
R106-R108	4.7K OHM 1/4W 5% CRBN.	IC 5C, IC 6C	74LS74
R109-R114	1K OHM 1/4W 5% CRBN.	IC 7C	74LS04
R115	4.7K OHM 1/4W 5% CRBN.	IC 8C	74LS20
R201	510 OHM 1/4W 5% CRBN.	IC 9C, IC 10C	
R202	1K OHM 1/4W 5% CRBN.	IC 1D	74LS139
R203	2K OHM 1/4W 5% CRBN.	IC 2D, IC 3D,	74LS157
R204	510 OHM 1/4W 5% CRBN.	IC 4D, IC 7D	
R205	1K OHM 1/4W 5% CRBN.	IC 8D	RAM
R206	2K OHM 1/4W 5% CRBN.	IC 5D	74LS32
R207	510 OHM 1/4W 5% CRBN.	IC 6D	
R208	1K OHM 1/4W 5% CRBN.	IC 1E	74LS32
R209	2K OHM 1/4W 5% CRBN.	IC 3E, IC 4E	74LS245
R210, R211	560 OHM 1/4W 5% CRBN.	IC 5E	74LS08
R212-R217	10 OHM 1/4W 5% CRBN.	IC 6E, IC 9E	74LS174
R218	1K OHM 1/4W 5% CRBN.	IC 7E	74LS273
R219	100 OHM 1/4W 5% CRBN.	IC 8E	74LS153
R220	820 OHM 1/4W 5% CRBN.	IC 10E	74LS157
R221, R223	470 OHM 1/4W 5% CRBN.	IC 11E	93419
RM1	4.7K OHM 9 PIN SIP	IC 1F, IC 2F	74LS86
RM2, RM3	4.7K OHM 8 PIN SIP	IC 3F, IC 4F,	74LS273
RM4	4.7K OHM 6 PIN SIP	IC 7F	
D101	1N5817	IC 5F, IC 6F	EPROM
D102	1N4148	IC 8F	74LS153
Q101	2N4123	IC 9F	74LS157
Q102-Q107	A 70	IC 10F, IC 11F	74LS74
Q108	2N4403	IC 12F	MMC06
OSC 1	20 MHZ ± 0.1% OSCILLATOR	IC 13F	MMC02
IC 1A	74LS32	FB1-FB27	FERRITE BEAD
IC 2A	4053	ICS 13FA,	8 PIN DIP SOCKET
IC 3A	74LS161	ICS 11B2A,	16 PIN DIP SOCKET



CROSS REFERENCE LIST

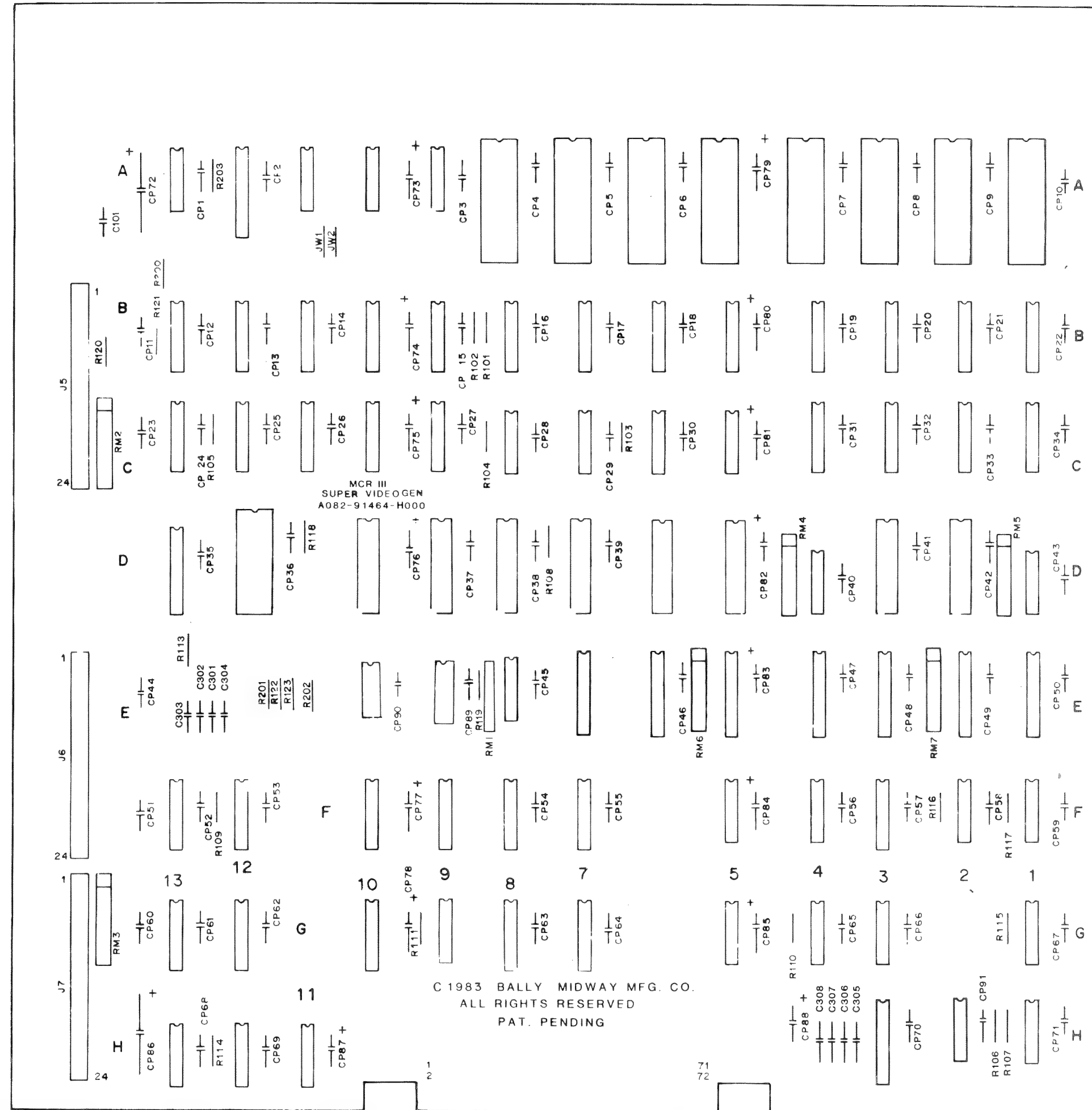
DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V AX. CER.	1	C101	0986-00800-0300	74LS32	4	IC 1A, 1B, 6D, 1E	0986-00803-0600
47 PF 50V AX. CER.	7	C102, C217-C222	0986-00800-2800	74LS74	4	IC 5C, 6C, 10F, 11F	0986-00803-1005
390 PF 50V AX. CER.	18	C105, C107, C201-C216	0986-00800-3000	74LS139	1	IC 11B1, 1F, 2F	0986-00803-9900
820 PF 50V AX. CER.	4	C223-C226	0945-00816-0400	74LS153	2	IC 1D	0304-00803-0042
.01 MF 50V 20% AX. CER.	43	CP1-CP42, CP70	0986-00800-2200	74LS157	7	IC 8E, 8F	0986-00803-1000
.1 MF 50V 20% AX. CER.	2	C103, C104	0986-00800-0200			IC 2D, 3D, 4D, 7D, 8D	0986-00803-9700
10 MF 25V 10% AX. TANT.	23	CP43-CP65	0986-00800-3400			IC 3A	0986-00803-1003
470 MF 16V AX. CER.	4	CP66-CP69	0986-00800-3300			IC 6E, 9E	0986-00803-9800
10 OHM 1/4W 5% CRBN.	6	R212-R217	0062-05183-1XXX			IC 4B, 5B	0986-00803-0800
39 OHM 1/4W 5% CRBN.	1	R102	0062-08083-1XXX			IC 3E, 4E	0986-00803-0900
100 OHM 1/4W 5% CRBN.	1	R219	0062-11083-1XXX			IC 7E, 3F, 4F, 7F	0986-00803-1001
470 OHM 1/4W 5% CRBN.	3	R221-R223	0062-15683-1XXX			IC 4A	0986-00803-2200
510 OHM 1/4W 5% CRBN.	3	R201, R204, R207	0062-15983-1XXX			IC 6A	0986-00803-0400
560 OHM 1/4W 5% CRBN.	2	R210, R211	0062-16283-1XXX			IC 9B1	0304-00803-0038
820 OHM 1/4W 5% CRBN.	1	R220	0062-17483-1XXX			IC 11E	0986-00803-9600
1K OHM 1/4W 5% CRBN.	12	R104, R105, R109-R114, R202, R205, R208, R218	0062-17983-1XXX			IC 1C, 2C, 3C, 4C, 5F, 6F	
2K OHM 1/4W 5% CRBN.	3	R203, R206, R209	0062-19383-1XXX			IC 11B2	0986-00803-8900
4.7K OHM 1/4W 5% CRBN.	4	R106-R108, R115	0062-21183-1XXX			IC 13F	0986-00803-9000
82K OHM 1/4W 5% CRBN.	1	R101	0062-27183-1XXX			IC 2B	0986-00803-9100
4.7K OHM 9 PIN SIP.	1	RM1	0304-00804-0005			IC 3B	0986-00804-3200
4.7K OHM 8 PIN SIP.	2	RM2, RM3	0986-00805-0400			IC 6B	0986-00803-8100
4.7K OHM 6 PIN SIP.	1	RM4	0986-00804-2400			IC 5D	0986-00803-1008
1N5817	1	D101	0986-00801-0300			IC 8B	0304-00803-0041
1N4148	1	D102	0986-00801-0100			IC 7B	0304-00803-0040
2N4123	1	Q101	0986-00802-0100				
A 70	6	Q102-Q107	0986-00802-0300				
2N4403	1	Q108	0986-00802-0200				
20 MHZ ± 0.1% OSCILLATOR	1	OSC1	0304-00804-0007				
4017	1	IC 2B	0986-00803-8700				
4053	1	IC 2A	0986-00803-2000				
74LS04	3	IC 9B2, 7C, 5A	0986-00803-1007				
74LS08	2	IC 10B1, 5E	0986-00803-1006				
74LS20	2	IC 9C, 10C	0986-00803-1004				
7427	1	IC 8C	0304-00803-0046				

PROJECT ENG: R. WEYAND		REVISIONS	
DO NOT SCALE OR COPY		FULL	
NO REQ'D I PER		NO REQ'D I PER	
DIM TOLERANCES: UNLESS OTHERWISE SPECIFIED		ASSEMBLY DRAWING	
DATE: 09/01/83		5 MHZ CPU RINGS	
		A080-91490-G000	
		PART NO: M051 - 00304 - G009	

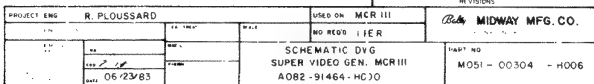


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
CAP 100PF	8	C301-C308	0986-00800-1000
CAP .01MF	75	C101, CP1-CP71, CP89, CP90, CP91	0986-00800-2500
CAP 10MF	15	CP73-CP85, CP87, CP88	0986-00800-2400
CAP 100MF	2	CP72, CP86	0986-00800-1800
82 OHM 1/4 W RES.	2	R201, R202	0062-104B3-1XXX
100 OHM 1/4 W RES.	1	R200	0062-110B3-1XXX
1K OHM 1/4 W RES.	21	R101-R111, R113- R121, R203	0062-179B3-1XXX
560 OHM 1/4 W RES.	2	R122, R123	0062-162B3-1XXX
8 PIN SIP 82 OHM	1	RM1	0333-00804-0004
9 PIN SIP 1K OHM	4	RM4-RM7	0304-00804-0002
10 PIN SIP 1K OHM	2	RM2, RM3	0986-00804-1000
74LS00	1	4F	0304-00803-0047
74LS00	2	5C, 8E	0304-00803-0010
74LS04	2	13A, 10E	0304-00803-0011
74LS04	1	6C	0304-00803-0012
74S08	1	3G	0304-00803-0037
74LS10	1	9G	0304-00803-0014
7420	4	1D, 4D, 11H, 12H	0304-00803-0015
74LS30	3	8C, 4G, 5G	0304-00803-0016
74LS32	2	5F, 1H	0304-00803-0017
74LS74	5	7C, 1F, 2F, 1G, 13H	0304-00803-0018
74S86	1	2H	0304-00803-0049
74LS86	2	9A, 10A	0304-00803-0019
74LS133	1	13C	0304-00803-0020
74LS157	8	3F, 9F, 10F, 12F, 13F, 10G, 12G, 13G	0304-00803-0021
74LS161	1	9E	0304-00803-0038
74LS161	1	9B	0304-00803-0022
74LS169	4	9C-12C	0304-00803-0023
74LS174	4	11A, 10B, 11B, 8G	0304-00803-0024
74LS175	1	8F	0304-00803-0025
74LS194	8	1B-8B	0304-00803-0026
74LS240	2	7E, 3H	0304-00803-0050
74LS245	1	13D	0304-00803-0027
74LS258	4	1C-4C,	0304-00803-0028
74LS273	1	12A	0304-00803-0029
74S283	2	12B, 13B	0304-00803-0039
74LS283	2	7F, 7G	0304-00803-0030
74LS374	6	1E-6E	0304-00803-0031
93422	4	7D-10D	0304-00803-0032
93479	4	2D, 3D, 5D, 6D	0304-00803-0033
STAT. RAM	1	12D	0304-00803-0034
EPROM KIT	8	1C1A-8A	0383-00803-0002
28 PIN SOCKET	8	ICS 1A-8A	0986-00804-0300
22 PIN SOCKET	8	ICS 2D, 3D, 5D, 6D, 7D-10D	0986-00804-0700
24 PIN SOCKET	1	ICS 12D	0986-00804-1600
KK100 RT. ANGLE	3	J5, J6, J7	0986-00804-4700
24 PIN CONN.			
JUMPER WIRE	2	JW1, JW2	0986-00805-0200
MCR III SUPER VIDEO GEN.			A082-91464-H000

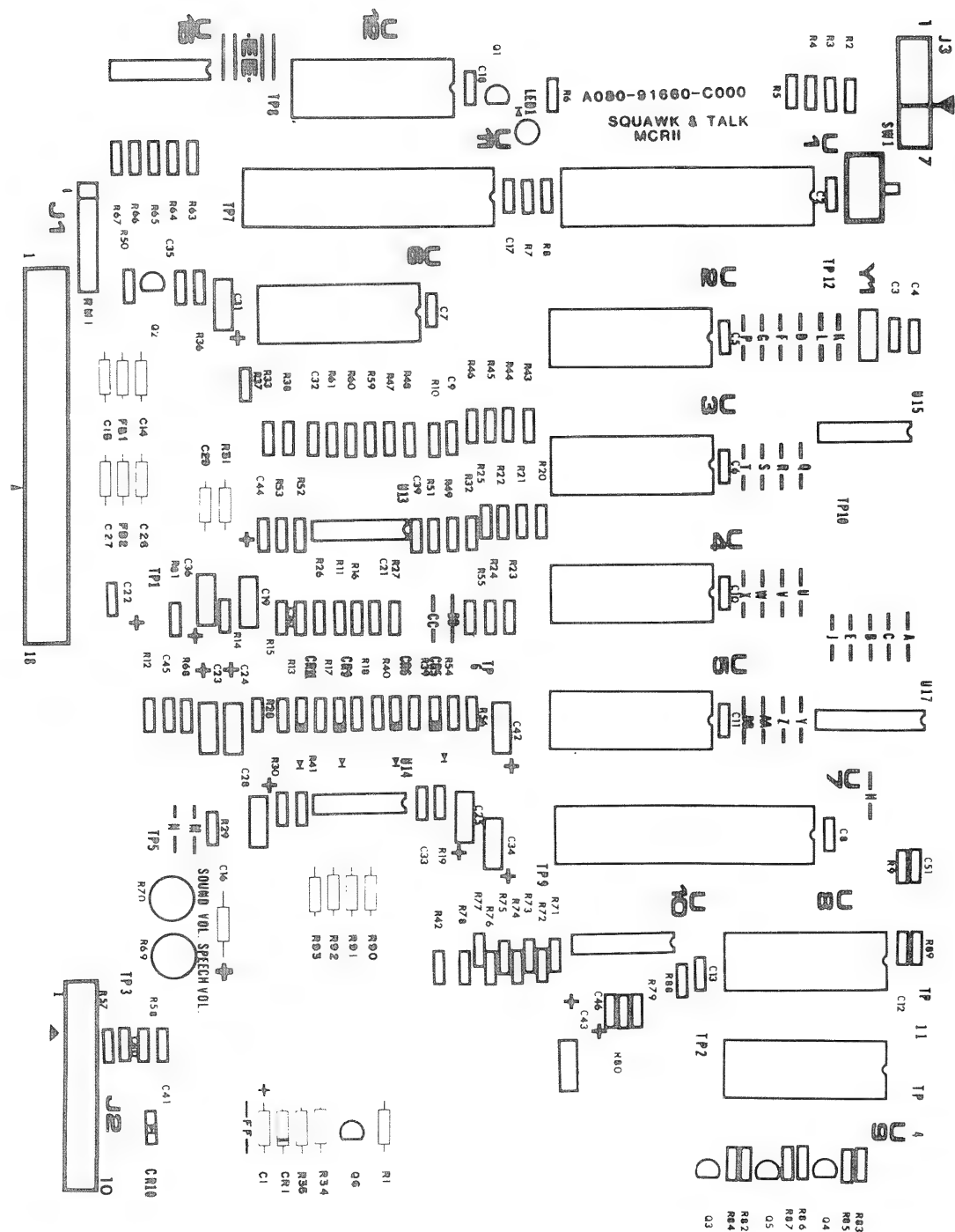


REVISIONS	
USED ON	DISCS OF TRON
SCALE	FULL
NO. REQ'D	1 PER
Baby / MIDWAY MFG. CO. FRANKLIN PK. ILL.	
SUPER VIDEO GEN. MCR III ASSY DWG A082-91464-H 000	
PART NO. MO51 - 00696 - A012	



DESCRIPTION LIST

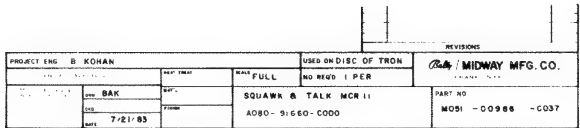
DESIGNATION NO.	DESCRIPTION	DESIGNATION NO.	DESCRIPTION
C1	10 MF TANT.	R54	82K 1/4W 5%
C2	.01 MF 25/50V CER	R55	10K 1/4W 5%
C3,C4	27 PF 100V AX CER	R56	2K 1/4W 5%
C5-C8	.01 MF 25/50V CER	R57	NOT USED
C9	470 PF 50V AX CER	R58	1K 1/4W 5%
C10,C11	.01 MF 25/50V CER	R59,R60	1 MEG
C12,C13	.1 MF 25V AX CER	R61	100K 1/4W 5%
C14,C15	390 PF 50V AX CER	R62	NOT USED
C16	100 MF TANT.	R63-R67	10K 1/4W 5%
C17,C18	.01 MF 25/50V CER	R68	510 OHM 1/4W 5%
C19	1 MF 25/50V ELECT	R69,R70	NOT USED
C20	470 PF 50V AX CER	R71-R78	10K 1/4W 5%
C21	68 PF 100V AX CER	R79	7.5K 1/4W 5%
C22	4.7 MF 25V TANT	R80	2K 1/4W 5%
C23	.47 MF 12/16V AX	R81	1K 1/4W 5%
C24,C25	1 MF 25/50V ELECT	R82	2.4K 1/4W 5%
C26,C27	390 PF 50V AX CER	R83	11K 1/4W 5%
C28	1 MF 25/50V ELECT	R84-R87	2.2K 1/4W 5%
C29	.0047 MF AX CER	R88,R89	220 OHM 1/4W 5%
C30	NOT USED	R90	220K 1/4W 5%
C31	NOT USED	R91-R93	100K 1/4W 5%
C32	68 PF 100V AX CER	RM1	4.7K 8 PIN SIP
C33	.1 MF 25V AX CER	CR1	1N4148 DIODE
C34	1 MF 25/50V ELECT	CR2-CR4	NOT USED
C35	NOT USED	CR5,CR6	1N4148 DIODE
C36	NOT USED	CR7,CR8	NOT USED
C37	NOT USED	CR9	1N4148 DIODE
C38	NOT USED	CR10	1N4004 DIODE
C39	.1 MF 25V AX CER	CR11	1N4148 DIODE
C40	NOT USED	LED 1	GREEN LED
C41	.1 MF 25V AX CER	Q1	2N3904 NPN TRANS.
C42	1 MF 25/50V ELECT	Q2	NOT USED
C43	2 MF 25V ELECT	Q3,Q4	2N4403 PNP TRANS.
C44	NOT USED	Q5,Q6	2N3904 NPN TRANS.
C45,C46	.1 MF 25V AX CER	U1	6802 CPU
C47-C50	NOT USED	U2-U5	EPROM KIT
C51	10 PF 50V AX	U6	NOT USED
R1	4.7K 1/4W 5%	U7	6821 P.I.A.
R2-R5	3.3K 1/4W 5%	U8	TMS 5200 SPEECH CHIP
R6	160 OHM 1/4W 5%	U9	NOT USED
R7	8.2K 1/4W 5%	U10	AD 558
R8	3.3K 1/4W 5%	U11	6821 P.I.A.
R9	130K 1/4W 5%	U12	NOT USED
R10	10K 1/4W 5%	U13,U14	LM3900 QUAD OP-AMP
R11	330K 1/4W 5%	U15	74LS14 HEX SCHMIT INV.
R12	1K 1/4W 5%	U16	4049 HEX INV.
R13	200K 1/4W 5%	U17	74LS155 DEC/DMUIT
R14	1.8K 1/4W 5%	FB1,FB2	FERRITE BEAD
R15	470K 1/4W 5%	ICS U1	40 PIN DIP SOCKET
R16	180K 1/4W 5%	ICS U2-U6	24 PIN DIP SOCKET
R17,R18	910K 1/4W 5%	ICS U7	40 PIN DIP SOCKET
R19	1K 1/4W 5%	ICS U8	28 PIN DIP SOCKET
R20	820K 1/4W 5%	ICS U9	NOT USED
R21	390K 1/4W 5%	ICS U10	16 PIN DIP SOCKET
R22	200K 1/4W 5%	ICS U11	40 PIN DIP SOCKET
R23,R24	100K 1/4W 5%	ICS U12	NOT USED
R25,R26	1 MEG.	J1	(17) KK156 AUTO INSERT PINS
R27	1.2 MEG	J2	(9) KK156 AUTO INSERT PINS
R28	82K 1/4W 5%	Y1	3.58 MHZ CRYSTAL
R29	10K 1/4W 5%	SW1	P.C.B. MOUNT SWITCH
R30	2K 1/4W 5%	A080-91660-C000	SQUAWK & TALK P.C.B.
R31	9.1K 1/4W 5%		
R32	1 MEG.		
R33	91K 1/4W 5%		
R34,R35	10K 1/4W 5%		
R36	1K 1/4W 5%		
R37	NOT USED		
R38	200K 1/4W 5%		
R39,R40	910K 1/4W 5%		
R41	200K 1/4W 5%		
R42	1K 1/4W 5%		
R43	820K 1/4W 5%		
R44	390K 1/4W 5%		
R45	200K 1/4W 5%		
R46	100K 1/4W 5%		
R47	2.7K 1/4W 5%		
R48	2.4K 1/4W 5%		
R49	1 MEG		
R50	NOT USED		
R51	750K 1/4W 5%		
R52	NOT USED		
R53	NOT USED		



DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.	DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
10 PF 50V AX CER	1	C51	0360-00800-0038	4.7K S.I.P.	1	RM1	0986-00804-5000
27 PF 100V AX CER	2	C3,C4	0360-00800-0009				
68 PF 100V AX CER	2	C21,C32	0360-00800-0010	1N4004 DIODE	1	CR10	0360-00801-0002
390 PF 50V AX CER	4	C14,C15,C26,C27	0360-00800-3000	1N4148 DIODE	5	CR1,CR5,CR6,CR9,CR11	0360-00801-0003
470 PF 50V AX CER	2	C9,C20	0360-00800-0002				
.0047 UF	1	C29	0986-00800-3506				
.01 MF 25/50V CER	9	C2,C5-C8,C10,C11,C17,C18	0360-00800-0005	LED, GREEN	1	LED 1	0360-00804-0015
.1 MF 25V AX CER	7	C12,C13,C33,C39,C41,C45,C46	0360-00800-0014	2N3904 NPN	3	Q1,Q5,Q6	0360-00802-0003
.47 MF 12/16V TANT	1	C23	0360-00800-0017	2N4403 PNP	2	Q3,Q4	0360-00802-0004
1 MF 25/50V ELECT	6	C19,C24,C25,C28,C34,C42	0360-00800-0018				
2 MF 25V ELECT	1	C43	0360-00800-0019	AD559 D.A.C.	1	U10	0360-00803-0033
4.7 MF 25V TANT	1	C22	0360-00800-0008	LM3900 QUAD OP-AMP	2	U13,U14	0360-00803-0002
10 MF 25/35V TANT	1	C1	0986-00800-3505	4049 HEX INV	1	U16	0360-00803-0011
100 MF 25/35V TANT	1	C16	0986-00800-3504	74LS14 HEX SCHMIT INV.	1	U15	0360-00803-0037
160 OHM 1/4W 5%	1	R6	0062-12483-1XXX	74LS155 DEC DMULT	1	U17	0360-00803-0034
220 OHM 1/4W 5%	2	R88,R89	0062-13383-1XXX	TMS 5200 SPEECH CHIP	1	U8	0360-00803-1013
510 OHM 1/4W 5%	1	R68	0062-15983-1XXX	MC 6802 CPU	1	U1	0986-00803-1012
1K OHM 1/4W 5%	6	R12,R19,R36,R42,R58,R81	0062-17983-1XXX	MC 6821 P.I.A.	2	U7,U11	0360-00803-0017
1.8K OHM 1/4W 5%	1	R14	0062-19183-1XXX	FERRITE BEAD	2	FB1,FB2	0316-00804-0002
2K OHM 1/4W 5%	3	R30,R56,R80	0062-19383-1XXX				
2.2K OHM 1/4W 5%	4	R84-R87	0062-19583-1XXX	16 PIN DIP SOCKET	1	ICS U10	0360-00804-0026
2.4K OHM 1/4W 5%	2	R48,R82	0062-19783-1XXX	24 PIN DIP SOCKET	5	ICS U2-U6	0360-00804-0017
2.7K OHM 1/4W 5%	1	R47	0062-19983-1XXX	28 PIN DIP SOCKET	1	ICS U82	0360-00804-0028
3.3K OHM 1/4W 5%	5	R2-R5,R8	0062-20383-1XXX	40 PIN DIP SOCKET	3	ICS U1,U7,U11	0360-00804-0018
4.7K OHM 1/4W 5%	1	R1	0062-21183-1XXX				
7.5K OHM 1/4W 5%	1	R79	0062-22183-1XXX	KK156 AUTO INSERT PINS	26	J1,J2	0017-00033-0480
8.2K OHM 1/4W 5%	1	R7	0062-22383-1XXX	JUMPER TIN 22 AWG	31	A-P,R-T,U-X,Z-FF	0069-230XX-XBXX
9.1K OHM 1/4W 5%	1	R31	0062-22583-1XXX	ZERO OHM JUMPER	3	JUMPERS Q,U,Y	0360-00804-0023
10K OHM 1/4W 5%	16	R10,R29,R55,R63-R67,R71-R78	0062-22783-1XXX				
11K OHM 1/4W 5%	1	R83	0062-22983-1XXX	3.58 MHZ CRYSTAL	1	Y1	0360-00804-0019
82K OHM 1/4W 5%	2	R28,R54	0062-27183-1XXX	P.C.B. MOUNT SWITCH	1	SW1	0017-00032-0038
91K OHM 1/4W 5%	1	R33	0062-27383-1XXX	SQUAWK & TALK P.C.B.	1		A080-91660-C000
100K OHM 1/4W 5%	9	R23,R24,R34,R35,R46,R61,R91-R93	0062-27583-1XXX				
130K OHM 1/4W 5%	1	R9	0062-28283-1XXX				
180K OHM 1/4W 5%	1	R16	0062-28783-1XXX				
200K OHM 1/4W 5%	5	R13,R22,R38,R41,R45	0062-28983-1XXX				
220K OHM 1/4W 5%	1	R90	0062-29183-1XXX				
330K OHM 1/4W 5%	1	R11	0062-29983-1XXX				
390K OHM 1/4W 5%	2	R21,R44	0062-30383-1XXX				
470K OHM 1/4W 5%	1	R15	0062-30783-1XXX				
750K OHM 1/4W 5%	1	R51	0062-31783-1XXX				
820K OHM 1/4W 5%	2	R20,R43	0062-31983-1XXX				
910K OHM 1/4W 5%	4	R17,R18,R39,R40	0062-32183-1XXX				
1 MEG.	6	R25,R26,R32,R49,R59,R60	0062-32383-1XXX				
1.2 MEG.	1	R27	0062-32783-1XXX				

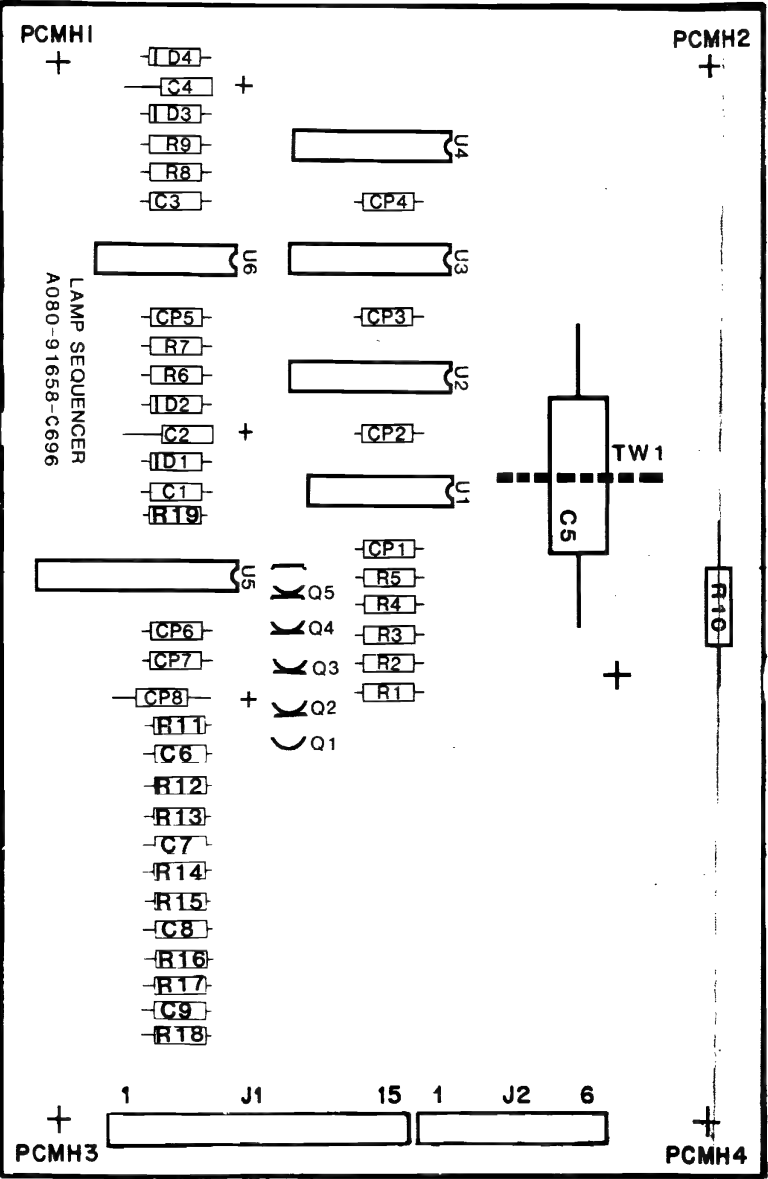
CROSS REFERENCE LIST

PROJECT ENG: R. KOHAN		USED ON MCR II		REVISIONS	
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL	NO. REQ'D PER	
DIM TOLERANCES UNLESS SPECIFIED		FINISH		PART NO.	
DATE 08-12-83		SQUAWK & TALK ASSEMBLY DWG A084-91660-C000		M051 - 00986 - C036	



DESIGNATION LIST

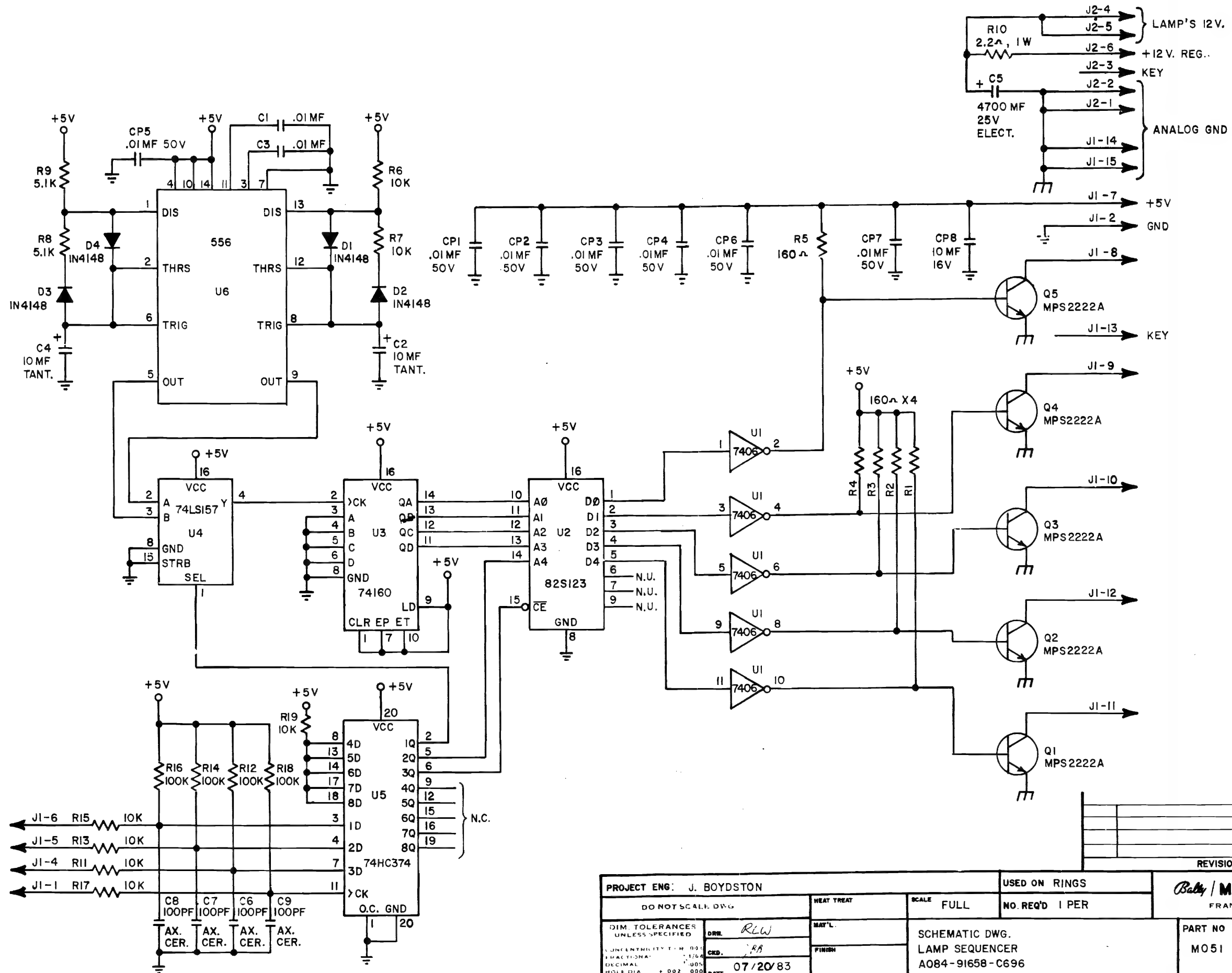
DESIGNATION NO.	DESCRIPTION
C1	.01 MF 50V AX CER
C2	10 MF 25V AX TANT
C3	.01 MF 50V AX CER
C4	10 MF 25V AX TANT
C5	4700 MF 25V AX ELEC
C6-C9	100 PF 50V AX CER
CP1-CP7	.01 MF 50V AX CER
CP8	10 MF 16V AX ELEC
R1-R5	160 OHM 1/4W 5%
R6,R7	10K OHM 1/4W 5%
R8,R9	5.1K OHM 1/4W 5%
R10	2.2 OHM 1W 5%
R11	10K OHM 1/4W 5%
R12	100K OHM 1/4W 5%
R13	10K OHM 1/4W 5%
R14	100K OHM 1/4W 5%
R15	10K OHM 1/4W 5%
R16	100K OHM 1/4W 5%
R17	10K OHM 1/4W 5%
R18	100K OHM 1/4W 5%
R19	10K OHM 1/4W 5%
D1-D4	1N4148 DIODE
Q1-Q5	MPS 2222A TRANS
U1	7406
U2	BI-POLAR PROM
U3	74160
U4	74LS157
U5	74HC374
U6	556
ICS U2	IC SOCKET
J1	.025 SQ AUTO WIRE
J2	.045 SQ AUTO WIRE
PCMH1-PCMH4	SPACER #8
PC BOARD	A080-91658-C696



CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
100 PF 50V AX CER	4	C6-C9	0639-00800-0003
.01 MF 50V AX CER	9	C1,C3,CP1-CP7	0628-00800-0100
10 MF 16V AX ELEC	1	CP8	0628-00800-0300
10 MF 25V AX TANT	2	C2,C4	0696-00800-0001
4700 MF 25V AX ELEC	1	C5	0383-00800-0006
2.2 OHM 1W 5%	1	R10	0062-034F3-1XXX
160 OHM 1/4W 5%	5	R1-R5	0062-124B3-1XXX
5.1 OHM 1/4W 5%	2	R8,R9	0062-213B3-1XXX
10K OHM 1/4W 5%	7	R6,R7,R11,R13, R15,R17,R19	0062-227B3-1XXX
100K OHM 1/4W 5%	4	R12,R14,R16,R18	0062-275B3-1XXX
1N4148 DIODE	4	D1-D4	0696-00801-0001
MPS 2222A TRANS	5	Q1-Q5	0639-00802-0001
556	1	U6	0696-00803-0003
7406	1	U1	0696-00803-0005
74LS157	1	U4	0696-00803-0004
74160	1	U3	0696-00803-0006
74HC374	1	U5	0696-00803-0001
BI-POLAR PROM	1	U2	0696-00803-0002
IC SOCKET 16 PIN	1	ICS U2	0986-00804-3700
.025 SQ AUTO WIRE	14	J1	0017-00033-0479
.045 SQ AUTO WIRE	5	J2	0017-00033-0480
SPACER #8	4	PCMH1-PCMH4	0017-00042-0320
PC BOARD	1		A080-91658-C696

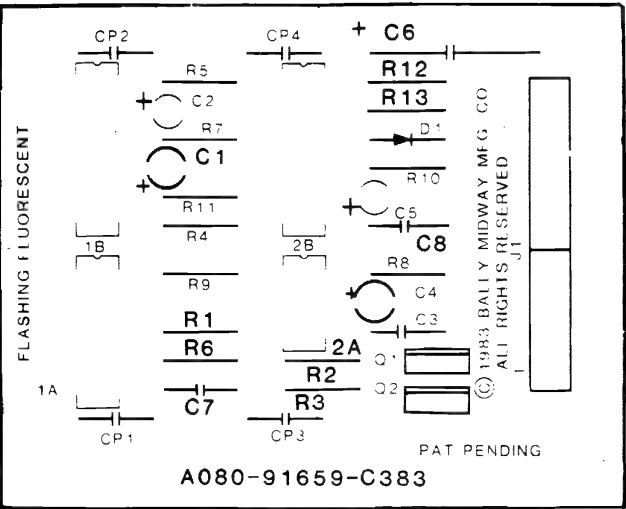
PROJECT ENG: J. BOYDSTON			USED ON RINGS		REVISIONS
DO NOT SCALE DWG.		HEAT TREAT	SCALE FULL	NO. REQ'D I PER	
DIM. TOLERANCES: UNLESS SPECIFIED		DRW. <i>JB</i>	MAT'L.	LAMP SEQUENCER ASSEMBLY DWG A080-91658-C696	
CONCENTRICITY 1/64		CKD. <i>JB</i>	FINISH		
FRACTIONAL 1/64		DATE 8/03/83			
DECIMAL .005		PART NO. M051 - 00696 - C009			
HOLE DIA + .002 .000		FRANKLIN PK. ILL.			



PROJECT ENG: J. BOYDSTON				USED ON RINGS		Betty / MIDWAY MFG. CO. FRANKLIN PK. ILL.	
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER			
DIM. TOLERANCES UNLESS SPECIFIED		DWG. RLW	SCHEMATIC DWG. LAMP SEQUENCER A084-91658-C696			PART NO	
CONCENTRICITY ±.005		CRD. JAB				M051 - 00696 - C010	
FRACTIONAL ±1/64		DATE 07/20/83					
DECIMAL ±.005							
HOLE DIA. +.002 0.000							

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1,C2	1.0 MF TANT
C3	0.1 MF AX CER
C4	1.0 MF TANT
C5	10 MF TANT
C6	100 MF TANT
C7,C8	100 PF AX CER
CP1-CP4	0.1 MF AX CER
R1	10K OHM 1/4 5%
R2,R3	200 OHM 1/4 5%
R4	100K OHM 1/4 5%
R5	15K OHM 1/4 5%
R6	100K OHM 1/4 5%
R7	1K OHM 1/4 5%
R8,R9	56K OHM 1/4 5%
R10	470K OHM 1/4 5%
R11	1K OHM 1/4 5%
R12	100K OHM 1/4 5%
R13	10K OHM 1/4W 5%
D1	1N4148 DIODE
Q1,Q2	TIP 110 NPN DARLING XSTR
1A	74LS74
2A	555 TIMER
1B	74123
2B	4050
J1	.045 SQ AUTO WIRE
	FLASHING FLUOR. P.C.B.

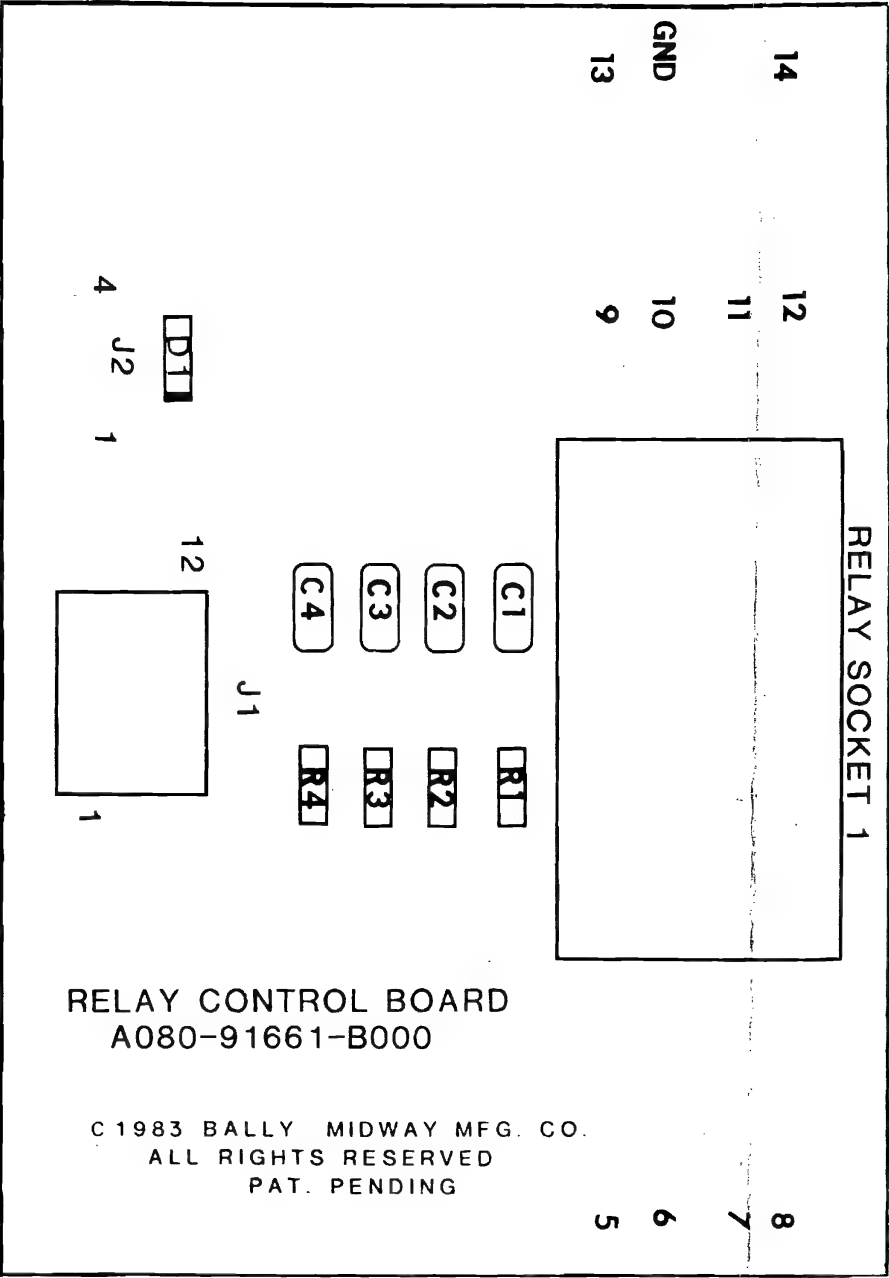


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
100 PF AX CER	2	C7,C8	0383-00800-0001
0.1 MF AX CER	5	CP1-CP4,C3	0383-00800-0002
1.0 MF TANT	3	C1,C2,C4	0383-00800-0003
10 MF TANT	1	C5	0383-00800-0004
100 MF AX ELEC	1	C6	0383-00800-0005
200 OHM 1/4W 5%	2	R2,R3	0062-130B3-1XXX
1K OHM 1/4W 5%	2	R7,R11	0062-179B3-1XXX
10K OHM 1/4W 5%	2	R1,R13	0062-227B3-1XXX
15K OHM 1/4W 5%	1	R5	0062-235B3-1XXX
56K OHM 1/4W 5%	2	R8,R9	0062-263B3-1XXX
100K OHM 1/4W 5%	3	R4,R6,R12	0062-275B3-1XXX
470K OHM 1/4W 5%	1	R10	0062-307B3-1XXX
1N4148 DIODE	1	D1	0383-00801-0001
TIP 110 XSTR	2	Q1,Q2	0383-00802-0001
74123	1	1B	0383-00803-0019
4050	1	2B	0383-00803-0020
555	1	2A	0383-00803-0021
74LS74	1	1A	0383-00803-0022
.045 SQ AUTO WIRE	9	J1	0017-00033-0480
FLASHING FLUOR.	1		A080-91659-C383

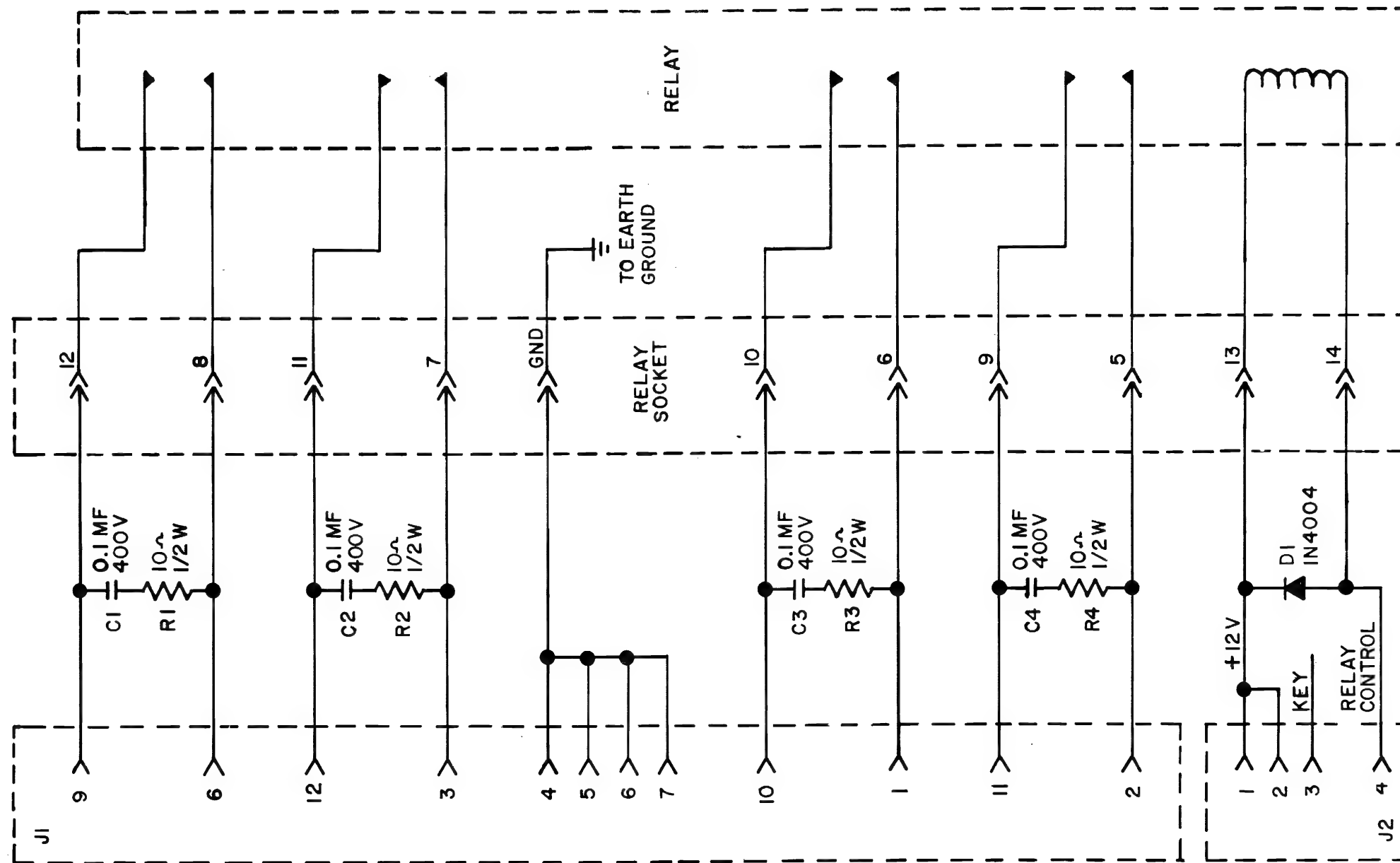
PROJECT ENG: M. STEINMETZ				USED ON		Bally / MIDWAY MFG. CO. FRANKLIN PK ILL	
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER			
DIM TOLERANCES UNLESS SPECIFIED		DRN. RLW	MATERIAL		FLASHING FLUORESCENT ASSEMBLY DWG. A080-91659-C383		PART NO. M051-00383-C008
DATE 8/18/83		CKD. MJD	FINISH				

DESIGNATION NO.	DESCRIPTION
C1-C4	0.1 MF 400V RAD
R1-R4	10 OHM 1/2W 5%
D1	1N4004
RE1	RELAY
RES1	RELAY SOCKET
J1	12 PIN M-N-L
J2	.045 SQ AUTO WIRE
1-12	WIRE & SPADE LUG
13,14	WIRE & SPADE LUG
GND	WIRE & SPADE LUG
	RELAY CONTROL P.C.B.



DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
0.1 MF 400V RAD	4	C1-C4	0383-00800-0007
10 OHM 1/2W 5%	4	R1-R4	0062-051D3-1XXX
1N4004	1	D1	0383-00801-0002
12 PIN M-N-L	1	J1	0017-00021-0964
.045 SQ AUTO WIRE	3	J2	0017-00033-0480
RELAY	1	RE1	0383-00804-0001
RELAY SOCKET	1	RES1	0383-00804-0002
WIRE & SPADE LUG	8	1-12	A089-00034-0044
WIRE & SPADE LUG	2	13,14	A084-00034-0045
WIRE & SPADE LUG	1	GND	A084-00034-0046
RELAY CONTROL P.C.B.	1		A080-91661-B000

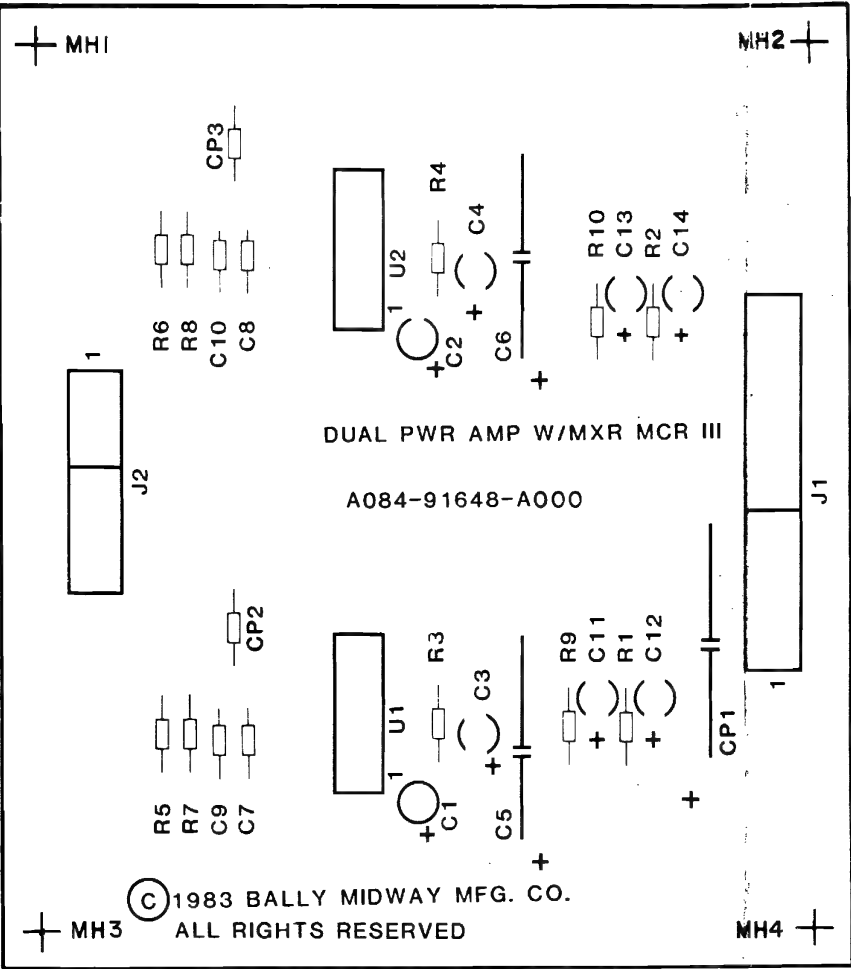
PROJECT ENG: M. STEINMETZ		USED ON DISC OF TRON		Bally / MIDWAY MFG. CO. FRANKLIN PK ILL.
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL	
DIM TOLERANCES UNLESS SPECIFIED		NO. REQ'D 1 PER		PART NO. M051-00114 - B088
DRN. <i>RLW</i> CKD. <i>MGD</i> DATE 7/26/83		RELAY CONTROL BOARD ASSEMBLY DWG. A080-91661-B000		
DIM. TOLERANCES UNLESS SPECIFIED DIM. ENTIRELY IN INCHES DECIMALS FRACTIONS HOLE DIA. +.002 .000		FINISH		



PROJECT ENG: M. STEINMETZ				USED ON DISC OF TRON		Bally / MIDWAY MFG. CO. FRANKLIN PK ILL.	
DO NOT SCALE DWG				NO. REQ'D 1 PER			
DIM TOLERANCES UNLESS SPECIFIED		DRN. <i>RLW</i>	HEAT TREAT	SCALE		PART NO.	
CONCENTRICITY ± 0.001 RECTANGULAR ± 0.001 HOLE DIA ± 0.002		CKD. <i>M.G.D.</i>	MAT'L.	SCHEMATIC DWG. RELAY CONTROL BOARD A080-91661-B000		M051 - 00114 - B089	
		DATE 07/20/83	FINISH				

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1,C2	4.7 MF 25V RD TANT.
C3,C4	22 MF 6V RD TANT.
C5,C6	470 MF 6V AX ELECT.
C7-C10	.1 MF 50V AX CR.
C11-C14	4.7 MF 25V RD TANT
CP1	220 MF 25V AX ELECT.
CP2,CP3	.1 MF 50V AX CR.
R1,R2	2.7K OHM 1/4W 5% CRBN.
R3,R4	27 OHM 1/4W 5% CRBN.
R5-R8	1 OHM 1/2W 5% CRBN.
R9,R10	2.7K OHM 1/4W 5%
U1,U2	MB3730
J1	.045 SQ. PIN
J2	.045 SQ. PIN
HSU1,U2	HEATSINK ASSY
MH1-MH4	1/4" SPACER FOR #8 SCREW
DUAL PWR AMP W/MXR	A080-91648-A000

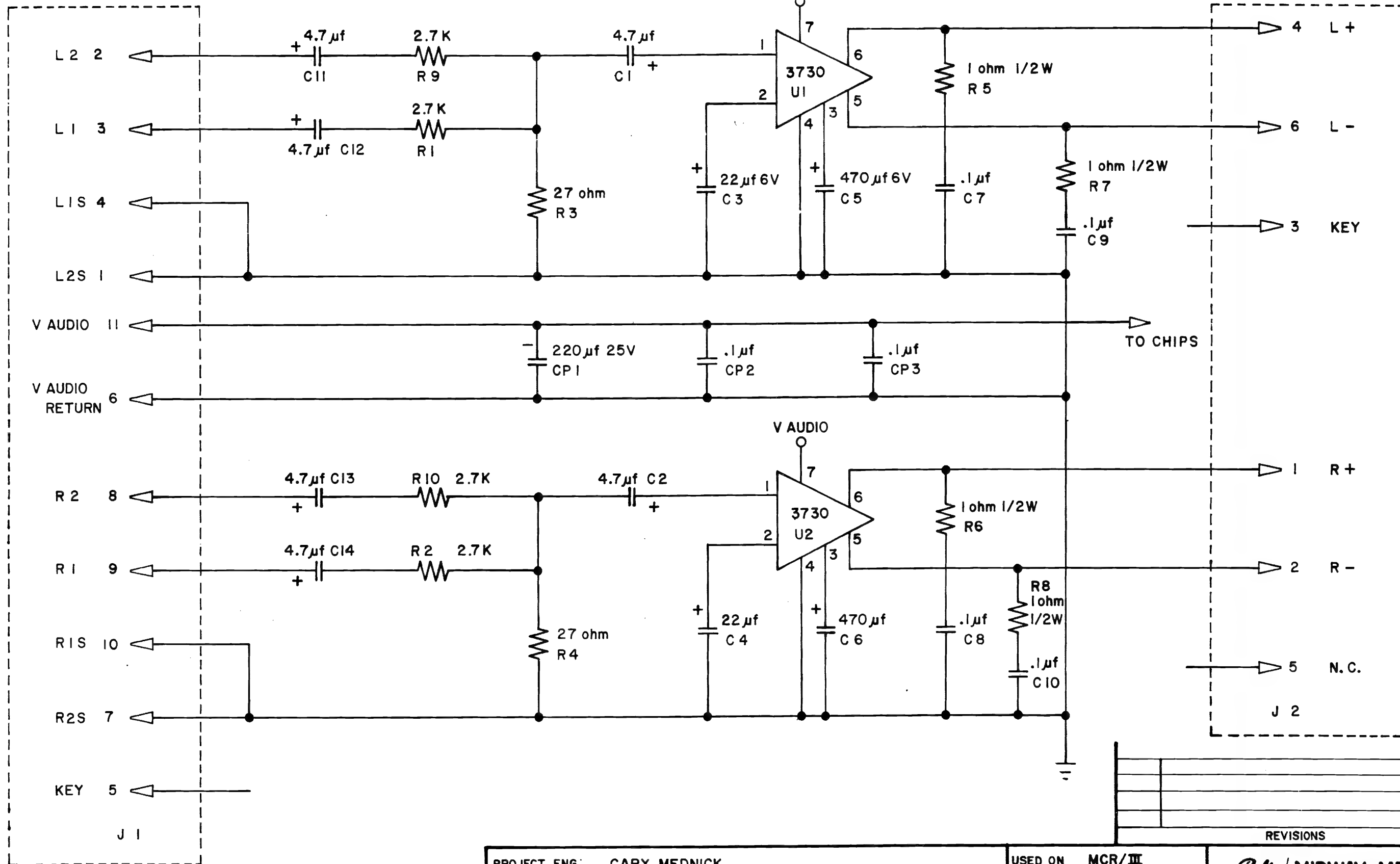


CROSS REFERENCE LIST

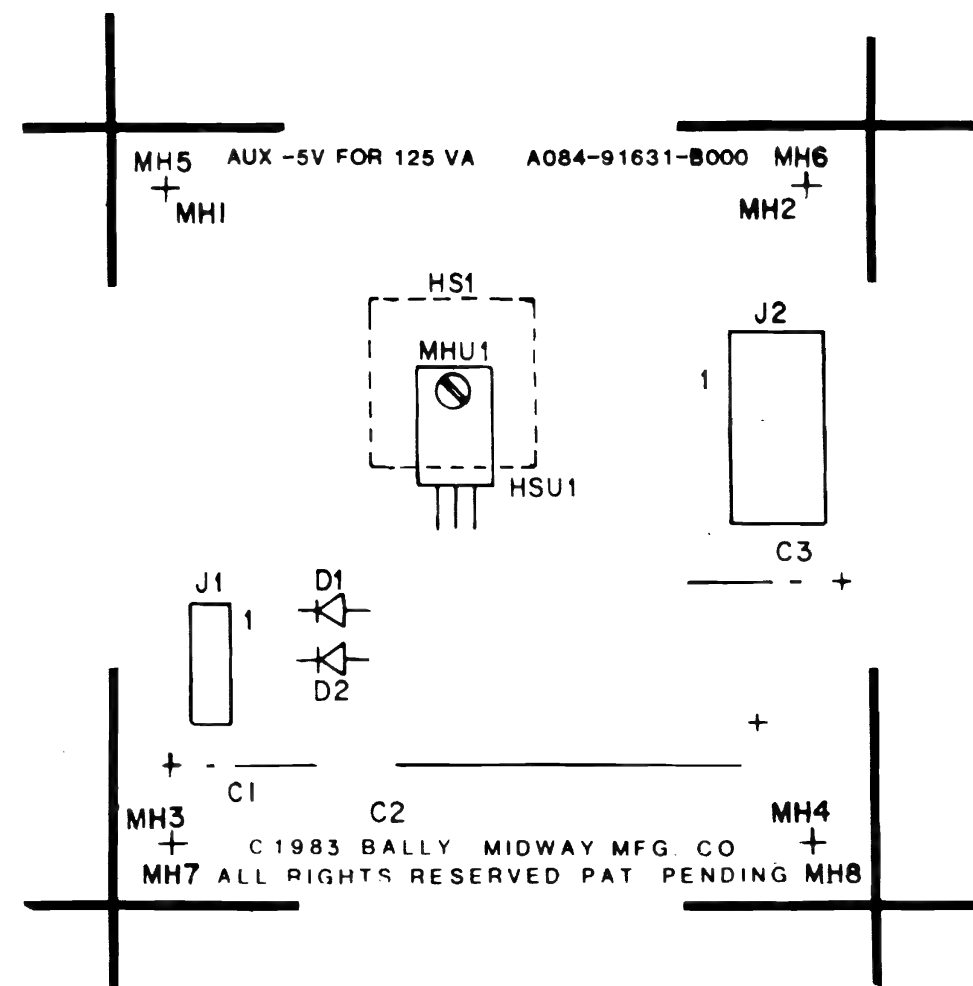
DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
.1 MF 50V AX CR.	6	C7-C10,CP2,CP3	0986-00800-1100
4.7 MF 25V RD TANT.	6	C1,C2,C11-C14	0986-00800-3100
22 MF 6V RD TANT	2	C3,C4	0986-00800-1600
220 MF 25V AX ELECT.	1	CP1	0986-00800-3200
470 MF 6V AX ELECT.	2	C5,C6	0986-00800-1700
1 OHM 1/2W 5%	4	R5-R8	0062-02603-1XXX
27 OHM 1/4W 5%	2	R3,R4	0062-06883-1XXX
2.7K 1/4W 5%	4	R1,R2,R9,R10	0062-19983-1XXX
MB3730	2	U1,U2	0066-188XX-XX4X
.045 SQ. PIN	5	J2	0017-00033-0480
.045 SQ. PIN	10	J1	0017-00033-0480
HEATSINK ASSY	2	HSU1,HSU2	A986-00010-0000
1/4" SPACER FOR #8 SCREW	4	MH1-MH4	0017-00042-0320
DUAL PWR AMP W/MXR	1		A080-91648-A000

PROJECT ENG: C. MEDNICK				USED ON MCR III		REVISIONS	
DO NOT SCALE DWG				HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER	
DIM TOLERANCES UNLESS SPECIFIED				MAT'L	ASSEMBLY DWG.		
ORIGIN RLV				FINISH	DUAL POWER AMP W/ MIXER MCR III		
CHECKED				A080-91648-A000			PART NO.
DATE 07/05/83							MO51 - 00304 - A012

Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL.



PROJECT ENG: CARY MEDNICK			USED ON MCR/III		Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.		
DO NOT SCALE DWG		HEAT TREAT	SCALE	NO. REQ'D 1 PER			
DIM. TOLERANCES UNLESS SPECIFIED		DRN. FAK	MAT'L.	SCHEMATIC DRAWING DUAL PWR AMP W/MXR MCR III A084-91648-A000		PART NO. M051 - 00304 - A013	
CONCENTRICITY TYP. .003 FRACTIONAL 1/64 DECIMAL .005 HOLE DIA. +.002 .000		CKD. DA	FINISH				
DATE 6/30/83							



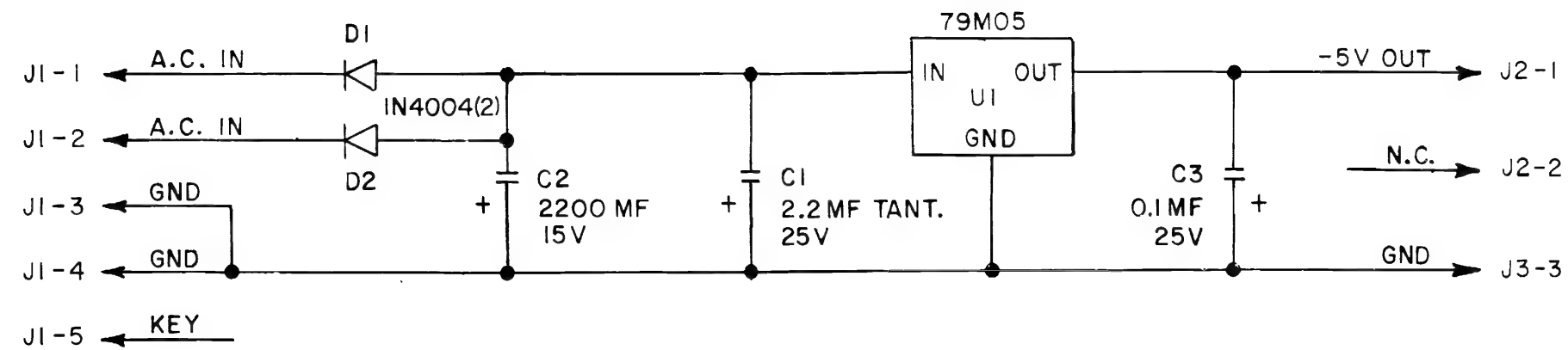
CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
0.1 MF CER.	1	C3	0945-00816-1905
2.2 MF TANT.	1	C1	0945-00816-1904
2200 MF ELECT.	1	C2	0945-00816-1903
1N4004 DIODE	2	D1, D2	0636-00801-0300
79M05 VOLTAGE REGULATOR	1	HSU1	0945-00813-0601
HEATSINK, CLIP ON	1	HS1	0068-065XX-ABAX
SCREW	1	MHU1	0017-00101-0518
NUT	1		0017-00103-0003
WASHER	1		0017-00104-0003
KK156 4 PIN CONN. OMIT PIN 3	3	J1	0017-00033-0480
AMPHENOL 3 PIN CONNECTOR	1	J2	0017-00021-0443
SPACER	4	MH1-MH4	0017-00042-0328
AUX.-5V FOR 125VA P.C. BOARD	1		A080-91631-B000

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1	2.2 MF TANT.
C2	2200 MF 25V ELECT.
C3	.1 MF CER.
D1, D2	1N4004 DIODE
HSU1	79M05 VOLTAGE REGULATOR
HS1	HEATSINK, CLIP ON
MHU1	(1) SCREW (1) NUT (1) WASHER
J1 J2	KK156 4 PIN CONN. AMPHENOL 3 PIN CONNECTOR
MH1-4	SPACER
A080-91631-B000	AUX.-5V FOR 125VA P.C. BOARD

PROJECT ENG: J. JARON		USED ON PROF. PAC.		Bally / MIDWAY MFG. CO. FRANKLIN PK ILL
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL	
DIM. TOLERANCES UNLESS SPECIFIED		NO. REQ'D 1 PER		PART NO. M051 - 00114 - A074
DRN. CRD. DATE 05/18/83		ASSEMBLY DWG. AUX. -5V FOR 125VA A084 - 91631 - B000		

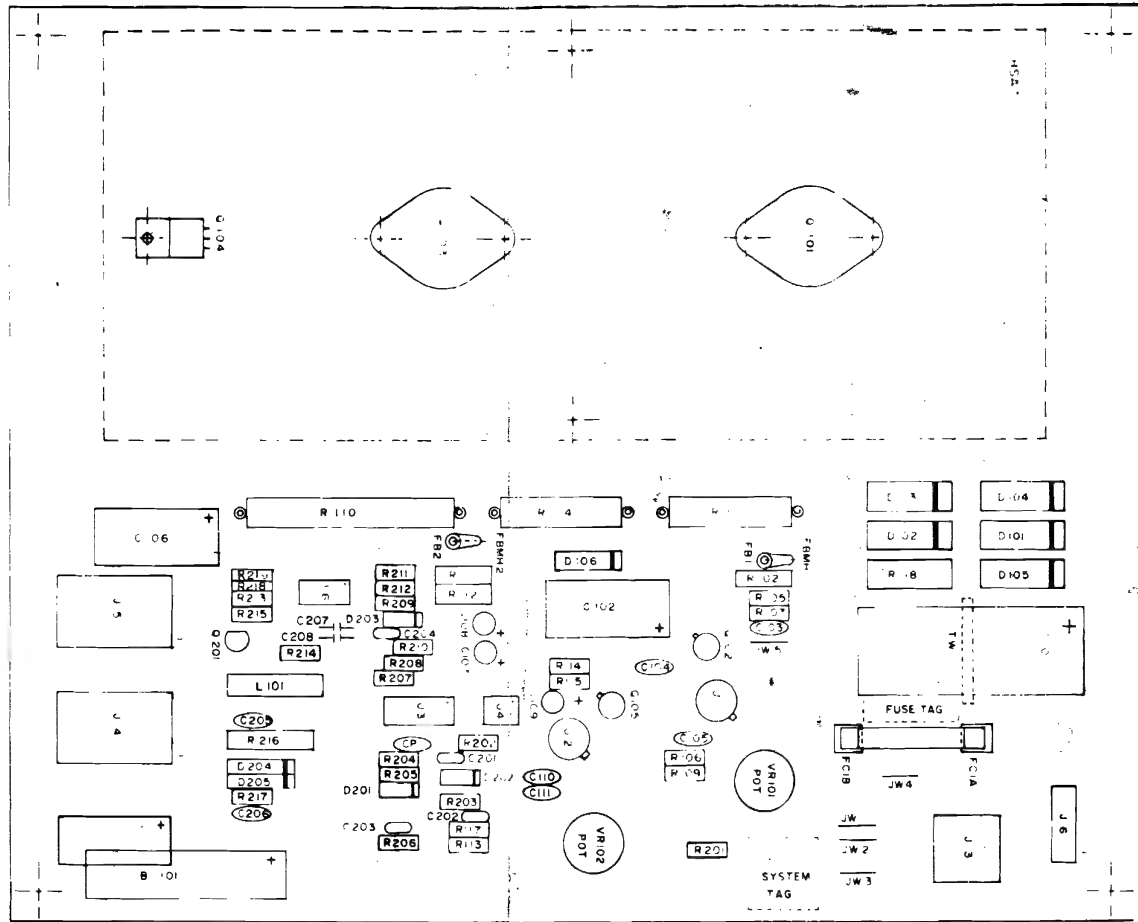


PROJECT ENG: J. JARON				USED ON		<i>Bally</i> / MIDWAY MFG. CO. FRANKLIN PK ILL	
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL	NO. REQ'D PER		PART NO M051 - 00114 - A075	
DIM TOLERANCES UNLESS SPECIFIED		DRW. <i>RLW</i>	MAT'L.	SCHEMATIC DWG. AUX -5V FOR I25VA A084-91631-A000			
CKD.		DATE 05/04/83	FINISH				
DIM TOLERANCES UNLESS SPECIFIED DECIMALS FRACTIONS HOLE DIA + .002 0.00							

CROSS REFERENCE LIST

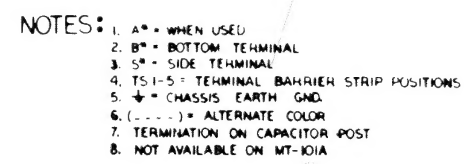
DESIGNATION LIST

DESIGNATION	DESCRIPTION	DESIGNATION	DESCRIPTION
C101	4700uf AX ELECT	R117	560ohm 1/4W 5%
C102	470uf AX ELECT	R118	150ohm 2W
C103	1uf AX CER	R201	270ohm 1/4W 5%
C104	1uf AX CER	R202	1.2K 1/4W 5%
C105	47uf AX CER	R203	1.1M 1/4W 5%
C106	470uf AX ELECT	R204	3.3M 1/4W 5%
C107	100uf RD TANT	R205	10M 1/4W 5%
C108	1uf RD TANT	R206	100K 1/4W 5%
C109	4.7uf RD TANT	R207	33K 1/4W 5%
C110	1uf AX CER	R208	2M 1/4W 5%
C111	1uf AX CER	R209	1M 1/4W 5%
C201	0.01uf MYLAR	R210	1.2M 1/4W 5%
C202	0.033uf MYLAR	R211	75K 1/4W 5%
C203	0.01uf MYLAR	R212	75K 1/4W 5%
C204	0.047uf MYLAR	R213	220K 1/4W 5%
C205	820uf AX CER	R214	3.9K 1/4W 5%
C206	0.01uf AX CER	R215	1.2K 1/4W 5%
C207	0.082uf MYLAR	R216	820ohm 1W 10%
		R217	270ohm 1/4W 5%
		R218	110K 1/4W 5%
		R219	68ohm 1/2W 5%
CP1	1uf AX CER	VR101,102	100ohm POT
R105	18ohm 5W W/RES SPACER	D101	A15F
R102	68ohm 1/2W 5%	D102	A15F
R104	10ohm 5W W/RES SPACER	D103	A15F
R105	27ohm 1/4W 5%	D104	A15F
R106	270ohm 1/4W 5%	D105	A15F
R107	6.2K 1/4W 5%	D106	1N4001
		D201	1N4148
		D202	1N4148
		D203	1N4148
		D204	1N4001
		D205	1N4001
R109	1K 1/4W 5%	Q102	2N2905
R110	16ohm 15W W/REG SPACER	Q105	2N2905
R111	6.8ohm 1/2W 5%	Q201	2N4401
R112	68ohm 1/2W 5%		
R113	1.2K 1/4W 5%	U1	LM305 REG
R114	47ohm 1/4W 5%	U2	LM305 REG
R115	160ohm 1/4W 5%	U3	LM3900
		U4	1N28
		U6	555
		L101	22uH INDUCTOR
		B101	BATTERY 3.6VDC 60DEG C
		F1	3/8A S BLO FUSE
		FC1A,1B	FUSE CLIP
		FE1,2	FERRITE BEAD
		TW1	TIE WRAP
		J3	9PIN P.C. MOUNT CONN(MALE)
		J4	15PIN P.C. MOUNT CONN(FEMALE)
		J5	15PIN P.C. MOUNT CONN(MALE)
		J6	3PIN P.C. MOUNT CONN(MALE)
		LB1	FUSE TAG
		LB2	SYSTEM TAG
		HSA1	HEAT SINK ASS'Y
		MHSA1	MOUNTING HARDWARE(HEAT SINK)
			2 SCREW
			4 WASHER
			2 HEXNUT
		JW1-5	JUMPER WIRE
		FBMH1,2	FERRITE BEAD MOUNTING HARDWARE



PROJ. ENG. L. DEKKER		MIDWAY MFG. CO.	
DATE: 5/14/82	5/14/82	ASSEMBLY DRAWING 125VAPWRSY.	A082-90412-0000
		M051-00945-B006	

DESCRIPTION	Q'ty	DESIGNATION	PART
47uf AX CER	1	C105	0945 00811 0100
820uf AX CER	1	C205	0945 00816 0400
0.01uf AX CER	2	C206,208	0945 00816 0100
0.01uf MYLAR	2	C201,203	0945 00816 0200
0.033uf MYLAR	1	C202	0945 00816 0500
0.047uf MYLAR	1	C204	0945 00816 0300
0.082uf AX CER	1	C207	0945-00816-1900
1uf AX CER	5	C103,104,110,111,CP1	0945 00811 0200
1uf RAD TANT	1	C108	0945 00811 0300
4.7uf RAD TANT	1	C109	0945 00811 0400
100uf RAD TANT	1	C107	0945 00811 0500
470uf AX ELECT	2	C102,106	0945-00816-0600
470uf AX ELECT	1	C101	0945 00811 0700
16ohm 15W 5%	1	R110	0945 00815 0100
18ohm 5W 5%	1	R101	0945 00815 0200
6.8ohm 1/2W 5%	1	R111	0062 04703 1XXX
10ohm 5W 5%	1	R104	0945 00812 0100
27ohm 1/4W 5%	1	R105	0062-068B3-1XXX
270ohm 1/4W 5%	1	R114	0062 086B3 1XXX
68ohm 1/2W 5%	3	R102,112,219	0062 098D3 1XXX
82ohm 1W 10%	1	R216	0062-104F5 1XXX
150ohm 2W 5%	1	R118	0945 00812 0200
160ohm 1/4W 5%	1	R115	0062 124B3 1XXX
270ohm 1/4W 5%	3	R106,201,217	0062 138B3 1XXX
560ohm 1/4W 5%	1	R117	0062 162B3 1XXX
1K 1/4W 5%	1	R109	0062 179B3 1XXX
1.2K 1/4W 5%	3	R113,202,215	0062 183B3 1XXX
3.9K 1/4W 5%	1	R214	0062 207B3 1XXX
6.2K 1/4W 5%	1	R107	0062 217B3 1XXX
33K 1/4W 5%	1	R207	0062 251B3 1XXX
75K 1/4W 5%	2	R211,212	0062 269B3 1XXX
100K 1/4W 5%	1	R206	0062 275B3 1XXX
110K 1/4W 5%	1	R218	0062-277B3-1XXX
220K 1/4W 5%	1	R213	0062 291B3 1XXX
1M 1/4W 5%	1	R209	0062 321B3 1XXX
1.1M 1/4W 5%	1	R203	0062 315B3 1XXX
1.2M 1/4W 5%	1	R210	0062 327B3 1XXX
2M 1/4W 5%	1	R208	0062 337B3 1XXX
3.3M 1/4W 5%	1	R204	0062 347B3 1XXX
10M 1/4W 5%	1	R205	0062 371B3 1XXX
100ohm POT	2	VR101,102	0945 00814 0030
LM305 REG	2	U1,2	0945-00813-0100
555	1	U6	0929-00810-4500
LM3900	1	U3	0945-00813-0200
4N28	1	U4	0945-00813 0300
A15F RECTIFIER	5	D101,105	0945 00804-0200
1N4001	3	D106,204,205	0945-00804 0300
1N4148	3	D201,203	0945 00804 0500
2N2905	2	Q102,105	0945 00808 0300
2N4401	1	Q201	0945 00804-0400
BATTERY 3.6VDC 60DEG C	1	B101	0017-00003-0377
FUSE 3/8A S BLO	1	F1	0945 00808-0400
FUSE CLIP	2	FC1A,1B	0017-00003 0214
TIE WRAP	1	TW1	0945-00814 0300
FERRITE BEAD	2	FB1,2	0017-00009-0225
FERRITE MOUNTING HDW	2	FBMH1,2	0017-00033 0139
22uH INDUCTOR	1	L101	0945 00814-0200
FUSE TAG	1		M051-00945-A004
SYSTEM TAG	1		M051 00945-A009
P.C.B.	1		A080-90412-U000
HEAT SINK ASS'Y	1	HSA1	A945-00008-0000
(SEE HS ASS'Y DRAWING "HSA NOTE")			
4-40 X 10 SLT RND	2	MHSA1A,2A	0017-00101-00727
4-40 HEX NUT	2	MHSA1E,2E	0017-00103-0002
WSH 4-120-.250-018	4	MHSA1B,1D	0017-00104-0071
		MHSA2B,2D	
3PIN P.C. MOUNT CONN (MALE)	1	J6	0017-00021-0443
9PIN P.C. MOUNT CONN (MALE)	1	J3	0017-00021-0425
15PIN P.C. MOUNT CONN (FEMALE)	1	J4	0017-00021-0441
15PIN P.C. MOUNT CONN (MALE)	1	J5	0017-00021-0440
22AWG T & R BARE 2.5"	5	JW1-5	0151-00087-0000



BALLY / MIDWAY
10601 W. BELMONT AVE.
FRANKLIN PARK, IL. 60131

3-25

DISC OF TRON

OPTION SWITCH SETTINGS

//////////SWITCH NO. 1 - AT B 3 - LOCATED ON SOUND I/O P.C. BOARD//////////

DURING GAME PLAY:	SW#1	SW#2	SW#3	SW#4	SW#5	SW#6	SW#7	SW#8	SW#9	SW#10
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED		NOT USED	NOT USED	
UPRIGHT / MINI COCKTAIL TABLE							ON OFF			
FREEZE VIDEO ** NORMAL OPERATION										ON OFF

//////////SWITCH NO. 3 - AT D 14 - LOCATED ON SOUND I/O P.C. BOARD//////////

	SW#1	*SW#2	*SW#3	*SW#4
** NORMAL OPERATION SOUND I/O DIAGNOSTIC MODE	OFF ON			
** NORMAL OPERATION RAM/ROM TEST INDICATES TEST RESULTS VIA YELLOW LED ON SOUND I/O BOARD: FAST FLASH = BAD ROM SLOW FLASH = BAD RAM		OFF ON		
** NORMAL OPERATION OSCILLATOR TEST			OFF ON	
** NORMAL OPERATION FILTER TEST				OFF ON

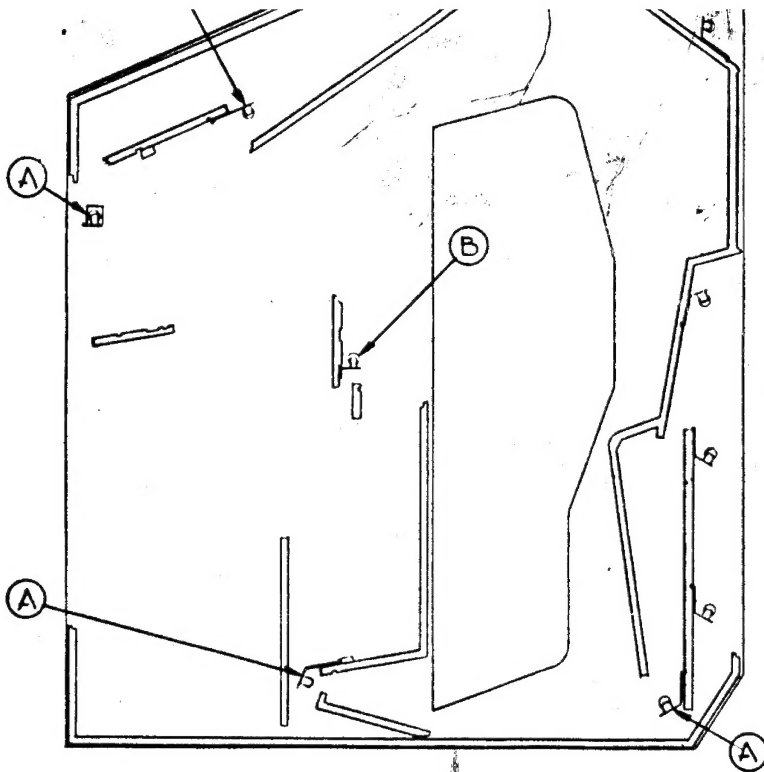
NO EFFECT IF SW#1 OF SWITCH NO. 3 IS IN THE "OFF" POSITION.

* FACTORY RECOMMENDED SETTINGS.

PART NO. M051-00383-A007

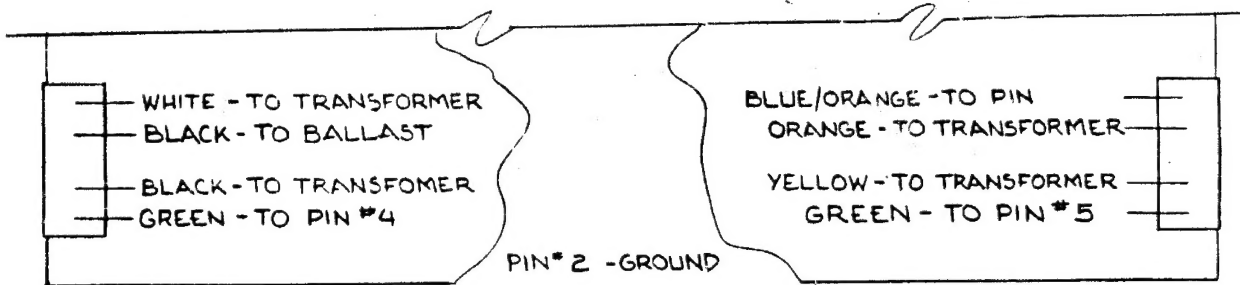
THE REMAINDER OF YOUR NEW GAME'S MOST COMMON OPTION SETTINGS ARE CONDUCTED DURING THE
MACHINE SETUP PORTION OF THE SELF-TEST MODE AND WILL BE COVERED IN DETAIL
 IN THAT SECTION OF YOUR MANUAL.

FLUOR. LITE WIRING DIAGRAM



See the DIAGRAMS below for the appropriate WIRING SEQUENCE for each FLUOR. LITE as indicated.

FIG. 1



WIRE DIAGRAM "A"

